

## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



1926

61ST ANNUAL  
CATALOGUE

# CHOICE IOWA SEEDS



**PEONY  
BORDER  
COLLECTION**  
**\$5<sup>00</sup>**

**SEE INSIDE  
COVER PAGE**

ONLY ONE  
**THE BEST**  
QUALITY

SEEDSMEN

TO THE

AMERICAN

PEOPLE

**THE IOWA SEED CO.**  
DES MOINES IOWA, U.S.A.

D. N. Snodgrass





1865 Sixty-first Year 1926

# The Iowa Seed Co.

"Seedsmen to the American People"

400-402 EAST LOCUST STREET

DES MOINES, IOWA

## GREETINGS TO OUR FRIENDS

This annual catalog of Choice Iowa Seeds has been prepared for your convenience. The cost of the book has been kept down that the seed might be sold at lower prices.

There has been a large crop of most varieties, but unfavorable weather has greatly reduced the harvest in many cases.

You will greatly assist us and assure yourself of the best service by sending your order in early. Just as soon as this book reaches you is the best time.

Your orders are always appreciated. Your questions or suggestions are always welcome. Write us often.

Yours for a prosperous year,  
THE IOWA SEED COMPANY  
Geo. L. Kurtzweil, President.

## OUR SEED HEADQUARTERS

For many years we have wanted our entire establishment under one roof. With the exception of the Altoona Farm everything is now located at Seed Headquarters: East Fourth and Locust Streets.

Four blocks west of the Capitol Building on the main business street of East Des Moines, with trackage to the door, we are most conveniently situated.

Our greenhouse department has been discontinued for the present, but you will still find a fine list of bulbs and perennial plants.

These are mainly produced on our seed farm east of the city.

When you are in Des Moines call and see us. You will always find room to park your car. Leave your parcels at our free check stand. Meet your friends here. Remember, you are always welcome at Seed Headquarters.

## SUGGESTIONS ABOUT ORDERS

**OUR PRICES.**—We have made prices in this catalog as close as we can for the high quality we produce and send out. It is common for Seed Dealers to make a high price in their catalogs and then send out their Wholesale and Market Gardeners' price lists at a lower price. We don't believe in classifying people, and as your money is as good as your neighbor's, we are offering our seeds to all alike, at our lowest prices.

**HOW TO SEND MONEY.**—The most convenient way to you, of course, Money Orders and Bank Drafts are safe. Your check for larger amounts is acceptable. You may send stamps for change or small orders. There is seldom any loss of money in the mails.

**WHAT WE GUARANTEE.**—That remittances, sent in any of the protected ways shall reach us; that your order will be filled promptly and well; that the goods ordered shall reach you safely, and in good condition.

**WHAT WE DO NOT GUARANTEE.**—The kind of crop our seeds will produce for you. As there are so many contingencies, such as time of planting, depth of planting, soil, weather and insects, we will not make any warranty, express or implied, as to description or productiveness of any seeds, bulbs, or plants we send out and we will not be responsible in any way for the crop. No employee or officer of this company is authorized to make any warranty whatsoever. We, however, have so much confidence in our "Choice Iowa Seeds" that we hereby agree to refill any order for Garden or Flower Seeds, free of

charge, should they prove otherwise than we represent them. We know of no responsible seed firm which will guarantee seeds farther than this.

**SEEDS BY MAIL.**—All kinds of seeds and most of the supplies can be sent by mail. We pay the postage or express charges on seeds, priced by the packet, ounce or single pound. Seeds ordered in larger amounts will go by express or freight, you to pay the charges, or if wanted by parcel post, remit for postage according to distance. See table.

**OUR RESPONSIBILITY.**—As this catalog will go into the hands of those who are not acquainted with us, we take pleasure in referring you, by permission, to the Valley National Bank of this city, or to the postmaster.

## BORDER PEONY COLLECTION

Ten for \$5.00, postpaid.

All the Peonies in this collection are grown on our farm at Altoona, Iowa, and we ship strong, large divisions directly from the field.

**GROVER CLEVELAND.**—Dark crimson rose type, late. It is a very strong, vigorous grower and flowers are very large and full. Each, \$1.00.

**FELIX CROUSSE.**—Large, globular, bright red. A solid, late blooming flower. One of the finest reds. Each, \$1.00.

**PRINCE IMPERIAL.**—Semirose type, late mid-season. Amaranthine red. Each, 60c.

**RUBRA TRIUMPHANS.**—A rich, satiny crimson flower. Blooms early and has a pleasing odor. Each, 60c.

**FLORAL TREASURE.**—A soft, delicate blush pink, very prolific. Flowers are very large and double. Each, \$1.00.

**HUMEIL.**—A cherry pink blossom with silvery tips. One of the fine pinks. Each, 50c.

**RUTH.**—Color of the American Beauty Rose. Foliage is glossy green. The flower is large, perfectly double and has the stamens scattered among the petals. Each, 75c.

**CURIOSITY.**—A large single flower. Has rose petals with a large group of yellow stamens. Each, 60c.

**VICTORIA TRICOLOR.**—This is a very pleasing blossom. The outer petals are pale rose, inner petals corn color and the center bright rose. Each, 50c.

**QUEEN VICTORIA.**—A fine early white. Blossoms are double and compact. Each, 65c.

One each of the ten excellent Peonies listed above. Regular value, \$7.20. All sent postpaid for \$5.00.

## ADDITIONAL DESIRABLE VARIETIES OF PEONIES

**ANDRIE LAURIES.**—The flower is deep red. The plant is vigorous and produces an abundance of beautiful blossoms. Each, 65c.

**GRANDIFLORA RUBRA.**—Has magnificent blood red blossoms and is probably the largest red variety in existence. It will thrive best in good rich soil. Each, \$1.00.

**FERN-LEAFED PEONY.**—The plant is small and low growing. The foliage is deep green and fern-like. The flowers are very early, the first to appear in the spring. They are rich crimson in color, and like double roses in shape. This Peony attracts more attention than any other variety. The plants increase very slowly and so are rare. The large plants we offer are grown from two to four years after division. If you want something different, this is a good variety to add to your collection. Large plants, \$5.00. Smaller plants, \$3.50.

**FRAGRANS.**—Bright rose, very double. This is a strong, vigorous kind that blooms late and has a very pleasing fragrance. Each, 50c.

**FESTIVA MAXIMA.**—This is by far the best double white. The flower is an immense, perfect globe. The color is a pure snowy white. The center is marked with bright red. Each, 75c.

**MARIE LEMOINE.**—Flowers open a faint blush pink but change to white when fully open. It is late and delicately fragrant. Each, 75c.

**MIKADO.**—A fine single white with large yellow stamens. It is sometimes called the Water Lily Peony. This is one of the finest single varieties. Each, \$1.00.

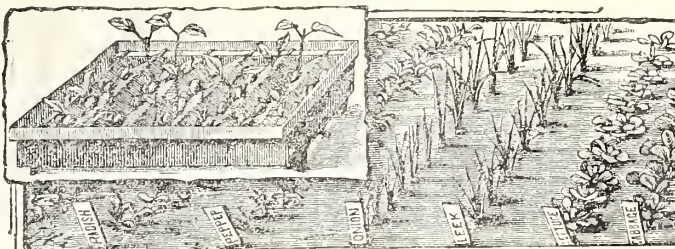
## VEGETABLE SEEDS

Our stocks of Garden Seeds we believe cannot be excelled in quality, productiveness, or selection. We watch our growing seed crops carefully to keep them isolated so they will not mix, and that no stray or weak plants are allowed to blossom.

**PRICES.**—We have made prices in this catalog as low as we consistently could. We offer only the highest quality seeds it is possible for us to grow or obtain, and we make but one price to everyone. We do not favor one buyer at the expense of another.

**PACKETS.**—You will find our packets generously filled. We have made the price 5 cents per packet, where we could give enough seed for the ordinary family garden for that price. For heavy seeds or high cost seed we have had to make the price 10 cents, but we always put in a full 10 cents' worth.

**POSTAGE.**—Our prices include the payment of the postage by us on packets, ounces, and single pounds. Seeds in larger quantities are price without postage, you to pay the express or freight charges or to send the amount required for parcel postage according to distance.



The Garden Seed Department has always had our careful attention and supervision. Stocks purchased from other growers are carefully tested. Where satisfactory stocks cannot be obtained elsewhere they are grown on our Altoona farms. Your orders are always appreciated and carefully and promptly filled.

## PARCEL POST RATES

This table is prepared to give the approximate amount necessary to pay the postage to your state. Call up your postmaster. He can give you the exact amount to your postoffice. Please add postage for one pound additional to cover weight of packing.

IOWA.....	In Zone 2	Rate 1c	per lb.
ALABAMA.....	In Zone 5	Rate 6c	per lb.
ARKANSAS.....	In Zone 4	Rate 4c	per lb.
COLORADO.....	In Zone 4 and 5	Rate 4c and 6c	per lb.
FLORIDA.....	In Zone 6	Rate 8c	per lb.
GEORGIA.....	In Zone 5	Rate 6c	per lb.
ILLINOIS.....	In Zone 3 and 4	Rate 2c and 4c	per lb.
INDIANA.....	In Zone 4	Rate 4c	per lb.
KANSAS.....	In Zone 3 and 4	Rate 2c and 4c	per lb.
KENTUCKY.....	In Zone 4 and 5	Rate 4c and 6c	per lb.
LOUISIANA.....	In Zone 5	Rate 6c	per lb.
MARYLAND.....	In Zone 5	Rate 6c	per lb.
MASSACHUSETTS.....	In Zone 6	Rate 8c	per lb.
MICHIGAN.....	In Zone 4	Rate 4c	per lb.
MINNESOTA.....	In Zone 3	Rate 2c	per lb.

MISSISSIPPI.....	In Zone 4 and 5	Rate 4c and 6c	per lb.
MISSOURI.....	In Zone 3	Rate 2c	per lb.
MONTANA.....	In Zone 5	Rate 6c	per lb.
NEBRASKA.....	In Zone 3	Rate 2c	per lb.
NEW YORK.....	In Zone 5 and 6	Rate 6c and 8c	per lb.
NORTH CAROLINA.....	In Zone 5	Rate 6c	per lb.
NORTH DAKOTA.....	In Zone 4 and 5	Rate 4c and 6c	per lb.
OHIO.....	In Zone 4 and 5	Rate 4c and 6c	per lb.
OKLAHOMA.....	In Zone 4	Rate 4c	per lb.
PENNSYLVANIA.....	In Zone 5	Rate 6c	per lb.
SOUTH CAROLINA.....	In Zone 5	Rate 6c	per lb.
SOUTH DAKOTA.....	In Zone 3 and 4	Rate 2c and 4c	per lb.
TENNESSEE.....	In Zone 4 and 5	Rate 4c and 6c	per lb.
TEXAS.....	In Zone 5 and 6	Rate 6c and 8c	per lb.
VIRGINIA.....	In Zone 5	Rate 6c	per lb.
WASHINGTON.....	In Zone 6 and 7	Rate 8c and 10c	per lb.
WEST VIRGINIA.....	In Zone 5	Rate 6c	per lb.
WISCONSIN.....	In Zone 3 and 4	Rate 2c and 4c	per lb.
WYOMING.....	In Zone 5	Rate 6c	per lb.

## A REAL BARGAIN IN GARDEN SEEDS

For the benefit of those who do not have the time to make their selection from the catalog we have prepared the following collections to suit the needs for different sized gardens. These are all our regular well filled packets and are real bargains.

### COLLECTION NO. 1, \$1.00

Selected especially for the back yard or kitchen garden. Estimates have been made from the quantities most frequently ordered.

Number 1 Collection consists of the following:

¼ lb. Premium Gem Peas  
¼ lb. Dwarf Champion Peas  
1 oz. Bloomsdale Spinach, and  
One full packet of each:  
Stringless Green Pod Beans  
Brittle Wax Beans  
Crosby's Egyptian Beet  
Early Sunrise Sweet Corn  
Early Cluster Cucumber  
Chicago Pickle Cucumber  
Early Curled Simpson Lettuce  
Improved Hanson Lettuce  
Golden Globe Onion  
Improved Guernsey Parsnip  
Chinese Giant Pepper  
The Des Moines Squash  
Superlative Tomato  
Gold Nugget Tomato  
White Model Turnip

Nineteen varieties of best vegetables. Total catalog value \$1.55; all for \$1.00 postpaid.

Collection cannot be changed or broken.

### COLLECTION NO. 2, \$2.00

For the suburban garden. Value \$2.85; for \$2.00 postpaid.

¼ lb. Stringless Green Pod Beans  
¼ lb. Brittle Wax Beans  
1 oz. Crosby's Egyptian Beets  
1 pkt. Early Jersey Wakefield Cabbage  
1 pkt. Danish Ballhead Cabbage  
1 pkt. Oxheart Carrot  
1 pkt. White Plume Celery  
1 pkt. Early Sunrise Sweet Corn  
¼ lb. Country Gentleman Sweet Corn  
1 pkt. Early Cluster Cucumber  
1 pkt. Chicago Pickle Cucumber  
1 pkt. Improved Yellow Ground Cherry  
1 pkt. Early Curled Simpson Lettuce  
1 pkt. Improved Hanson Lettuce  
1 oz. Grand Rapids Muskmelon  
1 oz. Orange Watermelon  
1 oz. Halbert Honey Watermelon  
1 pkt. Golden Globe Onion  
1 oz. Improved Guernsey Parsnip  
¼ lb. Premium Gem Peas  
¼ lb. Dwarf Champion Peas  
1 pkt. Chinese Giant Pepper  
1 oz. Yankee Pie Pumpkin  
1 oz. Bloomsdale Spinach  
1 pkt. Des Moines Squash  
1 pkt. True Hubbard Squash  
1 pkt. Superlative Tomato  
1 pkt. Gold Nugget Tomato  
1 pkt. White Model Turnip

Twenty-nine varieties. Total catalog value \$2.85; postpaid for \$2.00.

### COLLECTION NO. 3, \$3.00

For the farm garden. Value \$4.05, for \$3.00, postpaid. Consists of the following:

¼ lb. Stringless Green Pod Beans  
¼ lb. Brittle Wax Beans  
1 oz. Crosby's Egyptian Beet  
1 pkt. Early Jersey Wakefield Cabbage  
1 pkt. Danish Ballhead Cabbage  
1 oz. Oxheart Carrot  
1 pkt. White Plume Celery  
¼ lb. Early Sunrise Sweet Corn  
¼ lb. Country Gentleman Sweet Corn  
1 oz. Early Cluster Cucumber  
1 oz. Chicago Pickle Cucumber  
1 pkt. Improved Yellow Ground Cherry  
1 oz. Early Curled Simpson Lettuce  
1 oz. Improved Hanson Lettuce  
1 oz. Rocky Ford Muskmelon  
1 oz. Cole's Early Watermelon  
1 oz. Halbert Honey Watermelon  
1 oz. Golden Globe Onion  
1 oz. Improved Guernsey Parsnip  
¼ lb. Premium Gem Peas  
¼ lb. Dwarf Champion Peas  
1 pkt. Chinese Giant Pepper  
1 oz. Yankee Pie Pumpkin  
1 oz. Bloomsdale Spinach  
1 pkt. The Des Moines Squash  
1 oz. True Hubbard Squash  
1 pkt. Superlative Tomato  
1 pkt. Gold Nugget Tomato  
1 oz. White Model Turnip  
1 pkt. Vine Peach  
1 lb. Onion Sets

Thirty-one varieties of best vegetables. Catalog value \$4.05, all postpaid for \$3.00.



## ASPARAGUS

(One ounce will sow forty feet of drill.)

Asparagus is so easily grown, every garden should contain a bed. A bed ten feet square requiring 50 plants, will give abundant supply for an ordinary family. Sow early in spring with rows a foot apart; keep clean by frequent weeding. Circular on "How to Make an Asparagus Bed" free.

**WASHINGTON.**—The result of careful breeding by the U. S. Department of Agriculture to eliminate rust, which has heretofore proven so disastrous to asparagus crops. It is more nearly rust-proof than any other variety. Pkt. 10c; oz. 30c;  $\frac{1}{4}$  lb. 80c.

**CONOVER'S COLOSSAL.**—The standard variety. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

**BONVALLET'S GIANT.**—Differs from the above in color of the young shoots, which are a light green. Strong, vigorous grower. Produces the largest shoots of any variety. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.



ASPARAGUS

## ASPARAGUS ROOTS

Every garden should have a row or bed of asparagus. The reason so many gardens are without it is because of the mistaken idea that asparagus is difficult to plant and care for, when all that is necessary is to set the plants in well plowed or spaded ground one foot apart in 3-foot rows, set the tops or crown 3 inches deep, cultivate well, put on a 3 or 4 inch coat of manure every fall. Do not cut until second year. We have made our prices as low as we could to encourage a wide planting.

Our roots are extra strong, free from rust and are healthy.

**CONOVER'S COLOSSAL and BONVALLET'S GIANT.**—Strong No. 1 plants. Per doz. 50c; 100 for \$1.50 postpaid. Not postpaid, \$1.00 per 100; \$7.50 per thousand.

**WASHINGTON.**—Doz. 50c; 100 for \$2.00 postpaid. Not postpaid, \$1.75 per 100; \$12.50 per thousand.

## BEANS—Dwarf or Bush Varieties

Our packets contain about two ounces.

**STRINGLESS GREEN POD.**—The best of the green pod varieties. Pods are long light green, entirely stringless, and of excellent flavor. Very early and prolific and as near perfect as any green pod bean we know. Pkt. 10c;  $\frac{1}{4}$  lb. 15c; lb. 40c postpaid. Not postpaid, 5 lbs. or more, 30c per lb.

**IMPROVED EARLY VALENTINE.**—A standard variety and liked by many. Produces its thick, fleshy pods abundantly. Of fine flavor and matures quickly. Pkt. 10c;  $\frac{1}{4}$  lb. 15c; lb. 40c postpaid. Not postpaid, 5 lbs. or more 30c per lb.

**IMPROVED GOLDEN WAX.**—This is the standard variety. The most popular for either family or market garden. Pods are large, clear, waxy yellow and free from rust. Entirely stringless. Pkt. 10c;  $\frac{1}{4}$  lb. 15c; lb. 40c postpaid. Not postpaid, 5 lbs. or more 30c per lb.

**CHALLENGE BLACK WAX.**—An old favorite and still preferred by many. Pkt. 10c;  $\frac{1}{4}$  lb. 15c; lb. 40c postpaid. Not prepaid, 5 lbs. or more 30c per lb.

**BRITTLE WAX.**—This is the best of the new varieties of wax beans. Pkt. 10c;  $\frac{1}{4}$  lb. 15c; lb. 50c postpaid. Not prepaid, 5 lbs. or more 45c per lb.

**BURPEE'S BUSH LIMA.**—A dwarf or bush form of the true large Lima which is of great value. They grow from 18 to 20 inches high, of stout, erect growth, yet branching and vigorous. An immense yielder. Does not always mature this far north, but makes excellent green shelled beans. Pkt. 10c;  $\frac{1}{4}$  lb. 15c; lb. 50c postpaid. Not prepaid, any quantity at 45c per pound.

**HENDERSON'S BUSH LIMA.**—A true bush Lima and sure to ripen its enormous crop. Beans grow to good size, and are excellent either green, or shelled dry. Produces a continuous crop from the middle of July until frost. Enormously productive. Pkt. 10c;  $\frac{1}{4}$  lb. 15c; lb. 45c postpaid. Not prepaid, 5 lbs. or more 40c per lb.

**IMPROVED NAVY, or Boston Pea.**—This is the improved type of the navy bean which is grown for use as shell beans in winter. Our stock is especially saved for seed purposes and is superior to any bought in open market. Pkt. 10c;  $\frac{1}{4}$  lb. 15c; lb. 40c postpaid. Not prepaid, per lb. 25c; 10 lbs. or more at 20c per lb.

## POLE BEANS

These require support of some kind. Woven wire fencing makes an excellent substitute for bean poles. Sometimes planted with corn with good results.

**OLD HOMESTEAD.**—Is also known as Improved Kentucky Wonder. Enormously productive, pods hanging in great clusters from top to bottom of the pole. Can be grown with corn to good advantage. Pkt. 10c;  $\frac{1}{4}$  lb. 15c; lb. 40c postpaid. Not prepaid, any quantity at 30c per lb.

**LAZY WIFE.**—Very much like the above. The ripe beans are white. Pkt. 10c;  $\frac{1}{4}$  lb. 15c; lb. 40c postpaid. Not prepaid, 5 lbs. or more at 30c per lb.

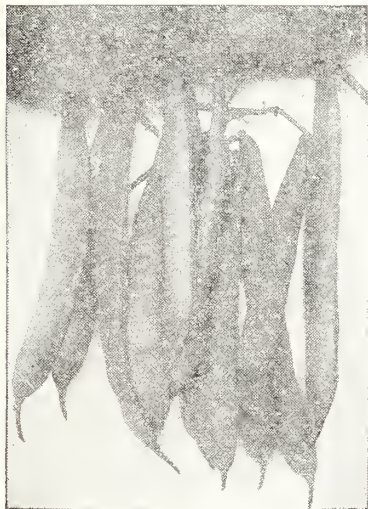
**GOLDEN CLUSTER WAX.**—The most popular variety of wax pole beans. Pods large, fleshy and stringless. Pkt. 10c;  $\frac{1}{4}$  lb. 20c; lb. 45c. Not prepaid, 35c per lb.

**SPECKLED CUT SHORT.**—Succeeds better when planted with corn than any other pole bean. Pkt. 10c;  $\frac{1}{4}$  lb. 15c; lb. 40c postpaid. Not prepaid, 5 lbs. or more 30c per lb.

**SCARLET RUNNER.**—Usually planted for its brilliant scarlet flowers. It is also very prolific and the finest quality for the table. Pkt. 10c;  $\frac{1}{4}$  lb. 20c; lb. 60c.

**KING OF THE GARDEN LIMA.**—Pods are of enormous size. Pkt. 10c;  $\frac{1}{4}$  lb. 15c; lb. 50c, postpaid. Not prepaid, 5 lbs. or more at 40c per pound.

**YARD LONG.**—A great curiosity. Pods sometimes over three feet long. Splendid in the green state as pods are tender and of fine flavor. Pkt. 15c;  $\frac{1}{4}$  lb. 50c.



STRINGLESS GREEN POD



IMPROVED GOLDEN WAX



OLD HOMESTEAD



## TABLE BEETS

One ounce sows 50 feet of drill; 4 to 6 lbs. for one acre.

For early, sow as soon as ground can be worked, and from the middle of May for general crop, in drills 15 inches apart and 1½ inches deep. As the plants grow, thin to 6 inches in drills. Young plants make excellent greens. The soil should be rich. Hoe often, taking care not to bruise the roots.

**CROSBY'S IMPROVED EGYPTIAN.**—The earliest variety. Regular in shape, smooth with small tops and small tap root. Being a rapid grower it may be sown outside as late as the first of August. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

**DETROIT DARK RED.**—One of the best varieties grown for main crop. Its roots are round, very smooth, of good marketable size, and for table use is unexcelled. Deep blood red; flesh sweet and tender. Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.25.

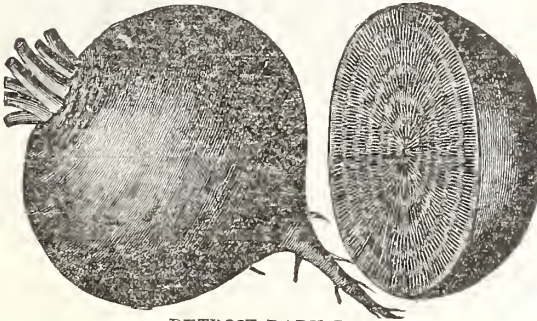
**MARKET GARDENERS.**—If you plant but one kind of beet, plant this one. It is early, beautiful oval in shape, rich crimson color and excellent quality. Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.50.

**GOLDEN GLOBE.**—Bright yellow. When cut up in a dish with red beets, they make a handsome contrast. Mature early and are sweet and nice. Pkt. 10c; oz. 20c.

**GIANT LUCULLUS CHARD.**—Is growing in popularity. Leaves are beautifully curved, and of a soft, clean shade of green. The thick, broad stalks are as large as rhubarb. Prepared the same as asparagus or leaves and stalks used as "greens." Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.25.



BEETS



DETROIT DARK RED

pure white and very solid. Has large leaves which protect the head. Does better in dry seasons than other sorts. Pkt. 20c; ¼ oz. 75c; oz. \$2.50.

## CAULIFLOWER

One ounce will produce about 3,000 plants.

One of the most delicious of vegetables. Requires similar treatment to cabbage. Does not head well during the hottest weather in summer. Sow the seed early for an early crop and again in June or July for late heads. Our cauliflower seed is grown in Denmark and is the best produced anywhere.

**HENDERSON'S EARLY SNOW-BALL.**—Considered the earliest and more certain to make a head than any other sort. Pkt. 20c; ¼ oz. 75c; oz. \$2.50.

**DANISH GIANT, or Dry Weather Cauliflower.**—Heads are extra large. Does better in dry seasons



CAULIFLOWER

## BRUSSELS SPROUTS

Of the cabbage family, producing numerous heads along the stem, of most delicious quality. Use and cultivate like winter cabbage.

**AMERICAN MAMMOTH.**—Greatly superior variety of American origin. Pkt. 10c; oz. 35c; ¼ lb. \$1.00.



BRUSSELS SPROUTS

## CHERVIL

Leaves used in soups and salads. Have a pleasant aromatic taste greatly liked. Cultivate like parsley. Pkt. 10c; oz. 25c.

## CHINESE CABBAGE, or Pe Tsai

Sometimes called Celery Cabbage

This is the finest thing we have ever had from the Orient. Sow some early, like Early Cabbage. Sow every month until the first of August. Everyone likes it. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

## CHIVES

Perfectly hardy little perennials of the onion tribe, and are grown entirely for their tops, which are used wherever flavor of onion is required. Plant in any common garden soil and they will grow readily. The tops appear very early in spring and can be shorn throughout the season. They are also beautiful as a flowering plant with their pink, clover-like flowers. Difficult to grow from seed; we therefore offer them in plants only. 15c per bunch; 3 bunches 40c; dozen \$1.25 postpaid.

## MANGEL OR STOCK BEETS

**MAMMOTH GOLDEN GIANT.**—The largest of yellow flesh mangels. Grows more than half above ground. Remarkably even in shape. Flesh firm and sweet. It is a most excellent keeper. Oz. 10c; ¼ lb. 25c; lb. 60c postpaid. Not prepaid, 5 lbs. or more at 50c per lb.

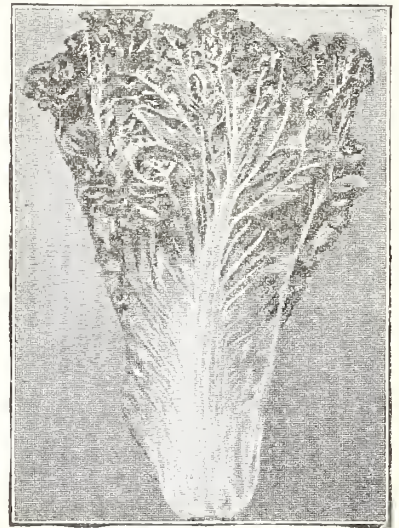
**GIANT SLUDSTROP.**—A variety of exceptionally even growth. Color is reddish yellow; excellent in shape. Contains more sugar, grows larger and is easy to harvest. It is the best of all mangels for feeding purposes. Per oz. 10c; ¼ lb. 25c; lb. 60c. Not prepaid, 5 lbs. or more at 50c per lb.

**MAMMOTH LONG RED.**—Unexcelled for yielding qualities. Grows to a very large size. Very uniform, smooth and of good shape. Per oz. 10c; ¼ lb. 25c; lb. 55c. Not prepaid, 5 lbs. or more at 45c per lb.

**GIANT HALF SUGAR MANGEL.**—A hybrid or cross between the Mangel and Sugar Beet. As heavy a yielder as the mangels and equally as smooth. Per oz. 10c; ¼ lb. 25c; lb. 60c. Not prepaid, 5 lbs. or more at 50c per lb.

**GOLDEN TANKARD.**—Of a rich deep yellow throughout. Early; hardy, a heavy cropper. Oz. 10c; ¼ lb. 15c; lb. 50c. Not prepaid, 5 lbs. or more at 40c per lb.

**KLEIN-WANZLEBEN.**—Our seed is from beets which were tested as to per cent of sugar before setting out. The sugar makes it of great value for feeding. Per oz. 10c; ¼ lb. 20c; lb. 70c. Not prepaid, 5 lbs. or more at 60c per lb.



CHINESE CABBAGE



## CABBAGE

One ounce will produce about 3,000 plants. Takes 8,000 to 10,000 plants per acre, of early sorts, and 6,000 of large, late kinds.

No vegetable is of greater importance than cabbage. It does not pay, therefore, to take any risk in buying seed. We pride ourselves on having the purest and highest grade of cabbage seed that is offered, or at least it is surpassed by none. Sow early sorts in hotbeds about six weeks before time to set out the plants in the field or garden. Transplant to rows three feet apart. Our packets contain about 800 seeds. Gardite, Slug Shot and Tobacco Dust will kill insects and worms.

**EXTRA EARLY EXPRESS.**—The earliest variety in existence and produces heads before the Jersey Wakefield or other varieties. Heads solid, have few outside leaves, and can therefore be planted very close. Pkt. 10c; oz. 30c;  $\frac{1}{4}$  lb. 90c; lb. \$3.00.



EARLY JERSEY WAKEFIELD

## CELERY

One ounce will produce about 6,000 plants.

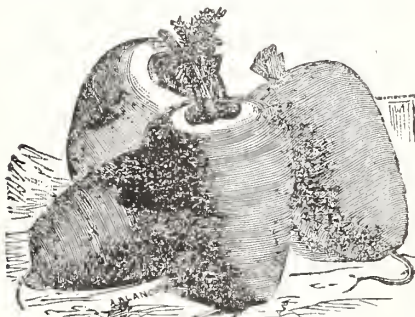
Sow seed in hotbed or house for early plants. Seed for winter celery should be sown in April or early in May and set out in rows 3 feet apart and 10 inches apart in the row. Cultivate often. There are various ways to blanch. A 4-inch drain tile slipped over each plant works fine.

**WHITE PLUME.**—Stalks, portions of the inner leaves and heart naturally white, and become fit for use by simply tying up closely with twine. Pkt. 10c; oz. 30c;  $\frac{1}{4}$  lb. \$1.00; lb. \$3.00.

**GOLDEN SELF-BLANCHING.**—By far the most popular sort; of medium earliness, compact habit, with thick, solid stalks which blanch easily to a clear waxen yellow. French Grown Seed—Pkt. 15c; oz. \$1.00;  $\frac{1}{4}$  lb. \$3.00; lb. \$10.00. American Grown Seed—Pkt. 10c; oz. 60c;  $\frac{1}{4}$  lb. \$1.50; lb. \$5.00.

**GIANT PASCHAL.**—A late variety of superior keeping qualities. Very large, solid and crisp, a rich nutty flavor. Blanches easily. Pkt. 10c; oz. 30c;  $\frac{1}{4}$  lb. 75c; lb. \$2.50.

**GIANT PRAGUE CELERIAC.**—Instead of producing long leaf stalks like ordinary celery, it has a turnip-like root with true celery flavor. Used in soups, stews and for all culinary purposes in place of celery. Pkt. 10c; oz. 30c;  $\frac{1}{4}$  lb. 90c; lb. \$3.00.



OXHEART CARROT

**PREMIUM FLAT DUTCH.**—This old and well-known variety is still a standard winter cabbage. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; lb. \$2.50.

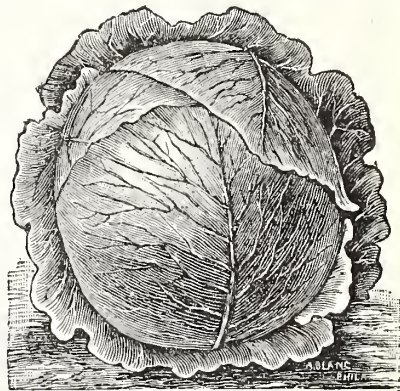
**IOWA SEED COMPANY'S SHORT STEM DRUMHEAD.**—For sureness in heading, regularity of growth and even, large, solid heads, it far surpasses any other strain of late cabbage. It ripens evenly, with very short stem or stock, and large, thick heads. Silky fine quality. Pkt. 10c; oz. 30c;  $\frac{1}{4}$  lb. 90c; lb. \$3.00.

**PERFECTION DRUMHEAD SAVOY.**—Has curled and crumpled leaves and is of finer flavor than ordinary cabbage. For salads and kraut the Savoy will give a richer flavor than common kinds. Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00; lb. \$3.00.

**MAMMOTH RED ROCK.**—Is the largest of the red cabbage. Solid, heavy and a good keeper. Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00; lb. \$3.00.



FROST PROOF CABBAGE PLANTS 100; \$2.00 for 500, postpaid.



DANISH BALLHEAD

**SUREHEAD.**—A very popular variety in the eastern states. Makes a fine large solid head with few outer leaves. Ripens a little earlier than Premium Flat Dutch. May be set out a week or two later and still get solid. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 75c; lb. \$2.25.

**ALL SEASONS.**—Good for planting early for early fall selling or may be planted in July for late heads, hence its name. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 75c; lb. \$2.25.

## FROST PROOF CABBAGE PLANTS

Grown from fall planted seed, in the South. Produced in open fields, in winter, so that they grow slowly and become hardened to cold and slight frost. Can be set out in spring much earlier than hotbed or greenhouse plants. Mailed direct from the growers to you. Will reach you at proper time for planting. Order any of the following early varieties: Charleston Wakefield, Early Jersey Wakefield, Early Flat Dutch, Copenhagen Market. 60c per

## CARROTS

One ounce for 100 feet of drill. \* Three or four pounds for one acre.

A nutritious, succulent food in the winter for cattle, horses, sheep and pigs. For early, sow in the spring as soon as ground can be worked, in drills fourteen inches apart, covering one-half inch. Thin plants to three or four inches apart in row. For field culture, sow seed from middle of April to first of June.

**EARLY SCARLET HORN.**—Favorite extra early variety. Top small, short, stump-shaped root. Grows well in any soil. Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 50c.

**OXHEART, or Guerande.**—This is the standard garden carrot. Outyields all others. Easy to pull. Best quality. Good keeper. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; lb. \$1.50.

**DANVERS.**—Standard half-long variety. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; lb. \$1.50.

**CHANTENAY.**—Another good garden carrot. Is longer than the Oxheart, not so easy to pull. Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 50c; lb. \$1.50.

**VICTORIA.**—Largest carrot grown. Used for stock feeding. Roots very large. Large, light orange. Grows partly out of ground, making it easy to harvest. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; lb. \$1.00.



## SWEET CORN

Plant as soon as the ground becomes warm in the spring, in hills about three feet apart; give thorough cultivation. Our sweet corn is carefully grown and selected, only the choicest, most perfect ears being selected for seed.

**EARLY SUNRISE.**—Is a splendid new variety which we originated. It is undoubtedly the best extra early corn for either private gardens or market. The ears are larger than Golden Bantam and a few days earlier. This would be enough to make it very desirable, but it is also the sweetest of all early kinds, not having the peculiar flavor of Golden Bantam which is objectionable to some people. Gardeners when selling it on the market call it the white Bantam. Pkt. 10c;  $\frac{1}{4}$  lb. 15c; lb. 30c postpaid. Not prepaid, 5 lbs. or more at 25c lb.

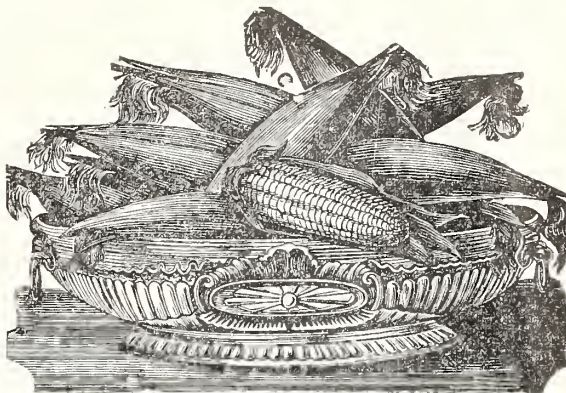
**IMPROVED GOLDEN BANTAM.**—A well known and quite popular seed corn about 4 feet high. Well shaped ears which are golden yellow when ripe. Pkt. 10c;  $\frac{1}{4}$  lb. 15c; lb. 30c. Not prepaid, 5 lbs. or more at 25c lb.

**CHAMPION EARLY.**—Earliest large corn ever introduced, maturing only a few days later than the small eared sorts and producing large 12-rowed ears 8 to 10 inches long. Pkt. 10c;  $\frac{1}{4}$  lb. 15c; lb. 30c. Not prepaid, 5 lbs. or more at 25c lb.

**PHARAOH'S DREAM.**—The most productive variety of sweet corn ever produced. Has two to four large, well filled ears on the stalk. A few days earlier than Stowell's Evergreen. In quality and flavor it is simply delicious. Pkt. 10c;  $\frac{1}{4}$  lb. 15c; lb. 35c. Not prepaid, 5 lbs. or more at 25c per lb.

**COUNTRY GENTLEMAN.**—Considered to be the highest quality corn. Very prolific; ears good size. Pure white, very deep grained and sweet. Pkt. 10c;  $\frac{1}{4}$  lb. 15c; lb. 40c. Not prepaid, 5 lbs. or more at 30c per lb.

**IMPROVED STOWELL'S EVERGREEN.**—The standard late sweet corn. Always satisfactory. Pkt. 10c;  $\frac{1}{4}$  lb. 15c; lb. 40c. Not prepaid, 5 lbs. or more at 25c per lb.



EARLY SUNRISE SWEET CORN

## POP CORN

**AUSTRALIAN HULLESS.**—The only pop corn worth while raising. Of highest quality, the best yielder and best seller. Our stock of this variety is pure. Pkt. 10c;  $\frac{1}{4}$  lb. 15c; lb. 40c. Not prepaid, 25c per lb.

**QUEEN'S GOLDEN.**—A golden yellow variety. Long ears. Looks rich when popped. Pkt. 10c;  $\frac{1}{4}$  lb. 15c; lb. 40c. Not prepaid, 25c per lb.

## CUCUMBER

One ounce plants 50 hills, two lbs. one acre.

Cucumbers succeed best in a rich soil. When danger of frost is over, plant in hills four feet apart each way. For pickling, plant seed first week in July. Use air-slaked lime or slug shot for bugs.

**EARLY CLUSTER.**—A very desirable early variety. Prolific, good size and fine quality. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 40c; lb. \$1.25.

**PERFECT WHITE SPINE.**—This improved strain is pronounced superior to all others. Fruit even, good size, straight, well formed and symmetrical. Color dark green when small, pure white when fully ripened. Immensely productive. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.25.

**IMPROVED CHICAGO PICKLE.**—Medium in size, dark green in color. Originated by a pickle grower near Chicago. Considered the best variety for pickles. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.25.

**DAVIS PERFECT.**—Everyone who sees the crop says they never saw anything to equal it. Dark, glossy, green, slim and symmetrical with an average length of 10 to 12 inches. Has no superior for pickles. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; lb. \$2.25.

**IMPROVED LONG GREEN.**—A well known standard variety. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; lb. \$1.75.

**JAPANESE CLIMBING.**—Will cling to fences or other support. Fine for limited space. Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 70c.

**WHITE WONDER.**—A large, long-fruited variety of beautiful ivory white color. Quality is really superior, being crisp and tender and entirely free from any bitter taste. Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 60c.

**LEMON.**—It is round and about the size of a baseball. Have flavor peculiarly their own. Superior to any, being crisp and tender and having none of the bitter taste. Pkt. 10c; oz., 25c.

**WEST INDIA GHERKIN, or Burr.**—This is a very small variety of cucumber which makes a handsome pickle. When ready it is about as large as an English walnut, partly covered with spines. Pkt. 10c; oz. 40c.

## CRESS

**TRUE WATER.**—Sow seeds along the running water. Pkt. 10c.

**UPLAND CRESS.**—Perennial; hardy; produces well. Same flavor as Water Cress. Grows on high, dry land; does not seed soon. Pkt. 10c; oz. \$1.00.

## CHUFAS

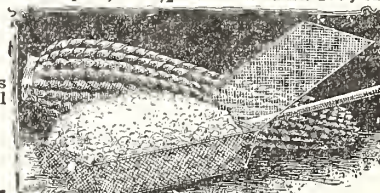
A nice little ground nut greatly liked by children. In flavor resembles the coconut. Very prolific. Plant in April 10 inches apart, in  $2\frac{1}{2}$ -ft. rows. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; lb. 75c.

## COTTON

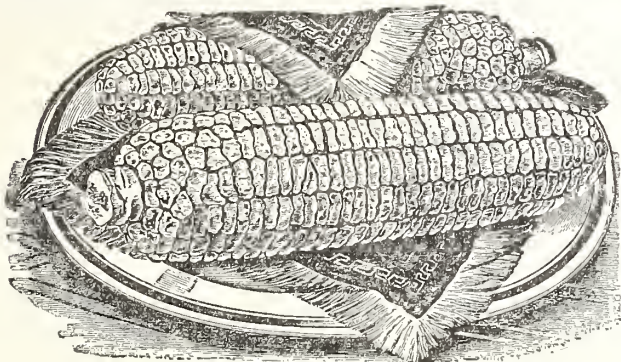
Start seed early and transplant. Has large, showy flowers, followed by ball of white cotton. Pkt. 5c; oz. 10c.

## CORN SALAD

Nice winter salad. Sow in September in drills. Cover in fall with straw or leaves. Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 60c.



POP CORN



PHARAOH'S DREAM

## CHICORY

**LARGE ROOTED.**—Used as a substitute for coffee. Cultivated the same as carrots. When wanted for use it is roasted and ground like coffee. Pkt. 10c; oz. 25c.

## COLLARDS

Collards are very largely used for "greens" in some parts of the country, especially in the South. They are a form of loose-headed cabbage. Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 50c.



EARLY CLUSTER CUCUMBER



**EGG PLANT**

A tender plant that should be started quite early in a hotbed or box in the house, which must be kept warm. Transplant late to open ground, two feet apart.

**IMPROVED NEW YORK.**—Our strain of this leading market variety we believe to be unsurpassed. Very large size, skin deep purple, flesh white, of excellent quality. Very productive. Pkt. 10c; oz. 60c;  $\frac{1}{4}$  lb. \$2.00.

**ENDIVE**

One ounce will sow about 60 square feet.

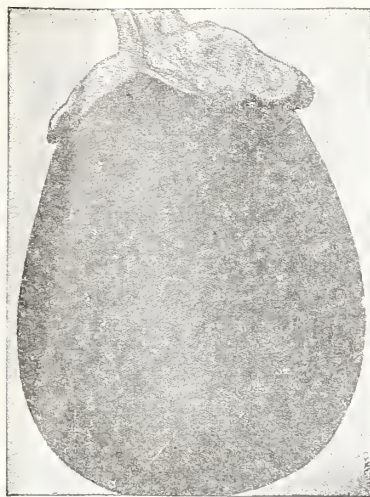
One of the best and most wholesome salads for fall and winter. Sow in April for early; in June or July for winter.

**GIANT FRINGED.**—Also called winter lettuce. Best of all. Strong, vigorous grower, making large white heart. Leaves are beautifully curled. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 50c.

**GROUND CHERRY**

**IMPROVED YELLOW.**—Ground cherries are a most excellent garden fruit. They have a delicious flavor of their own. Pkt. 10c;  $\frac{1}{2}$  oz. 25c.

**LARGE PURPLE.**—We can also furnish the old time purple ground cherry. Fruits are much larger than the yellow but not so rich in quality. Pkt. 10c;  $\frac{1}{2}$  oz. 25c.



**NEW YORK  
LETTUCE**

One ounce will sow 100 feet of drill.

Lettuce may be sown very thinly any time from early spring until the middle of August. The soil should be very rich. Lettuce may be transplanted like cabbage. Set the plants a foot apart in rows two feet wide. Cultivate often and you will be pleased with results.

**EARLY CURLED SIMPSON.**—The best known variety of garden lettuce. Beautiful light green, curled leaves. Can be sown from early spring to August. Always good. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; lb. \$2.50.

**IMPROVED HANSON.**—As a head lettuce the Hanson has no superior. Makes the most solid heads and is the surest to head of all lettuces. Stands heat well when grown outdoors and does well in hotbed or greenhouse. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; oz. \$2.50.

**BLACK SEEDED SIMPSON.**—This is the standard variety with market growers who grow lettuce under glass or in frames. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; lb. \$2.50.

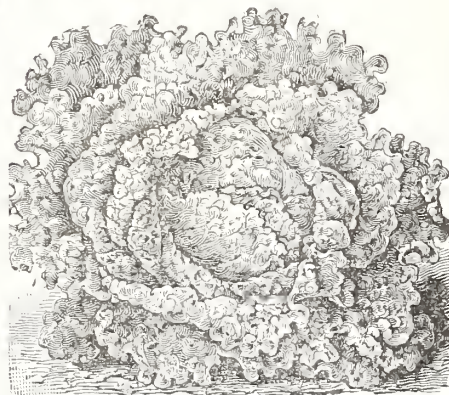
**GRAND RAPIDS.**—Claimed to be an improvement on the Black Seeded Simpson as a frame lettuce. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; lb. \$2.50.

**NEW YORK.**—A new sort producing immense heads, often 15 or 16 inches across. The interior is beautifully blanched, creamy white, crisp, tender and delicious. A sure header under most trying conditions. Pkt. 10c; oz. 30c;  $\frac{1}{4}$  lb. 90c; lb. \$3.25.

**PRIZE HEAD.**—Heads large and rather loose, with very good flavor. Leaves edged with reddish brown. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; lb. \$2.50.

**CALIFORNIA CREAM BUTTER.**—A cabbage lettuce with round, solid head. Within, leaves are very rich cream yellow color. Rich and buttery to the taste. Heads good size and compact. Pkt. 5c; oz., 20c;  $\frac{1}{4}$  lb. 60c; lb. \$2.00.

**MIXED LETTUCE.**—A mixture of all the varieties listed. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c; lb. \$2.00.



**GRAND RAPIDS**



**PRIZEHEAD**

**GARDEN HUCKLEBERRY**

When this was first offered to us we had little confidence in it, but after growing it we recommend it to our customers. Grows about three feet high and just loaded with clusters of berries, which are jet black when ripe. Make delicious pies, preserves and jams. Directions for cooking with each packet. Not edible raw. Pkt. 10c; oz. \$1.00.

**GOURDS**

Cultivate like cucumbers. They may be trained over lattice work, fences, etc.

**JAPANESE NEST EGG.**—Grows almost uniformly to the size, color and shape of a hen's egg. The shells are hard and make the very best nest eggs. Pkt. 5c; oz. 25c.

**DIPPER.**—Makes a light, convenient dipper. Pkt. 5c; oz. 25c.

**SUGAR TROUGH.**—Very large and strong grower. Pkt. 5c; oz. 25c.

**LUFFA, or Dishcloth.**—Has a peculiar lining, making a natural dishcloth or sponge. Pkt. 5c; oz. 25c.

**HERCULES' CLUB.**—Grows to immense size—4 to 5 feet in length. Pkt. 5c; oz. 25c.

**MIXED UTILITY.**—Seeds of the above, mixed. Pkt. 5c; oz. 20c.

**KALE**

**EXTRA CURLED MOSSBACK.**—A most attractive variety; fine crimped leaves. Pkt., 10c; oz. 20c;  $\frac{1}{4}$  lb. 45c; lb. \$1.50.

**KOHL RABI**

Most excellent vegetable, intermediate between the cabbage and turnip. Cultivate like cabbage.

**GOLIATH PURPLE.**—Of immense size. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 85c.

**EARLY WHITE VIENNA.**—The flesh is white and tender. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 85c.

**LEEK**

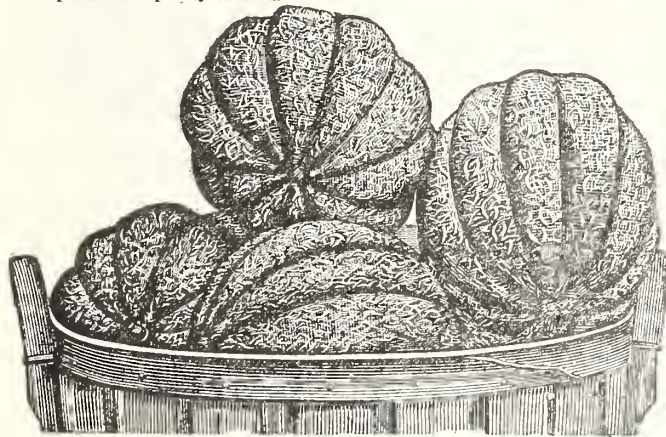
**LARGE ROUEN.**—Largest and most uniform sort. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 65c; lb. \$2.00.



## MUSK MELON

One ounce will plant about 80 hills, 2 lbs. to the acre.

Musk Melons require a rich, well-drained soil. Plant as early as safe from frost. Cultivate until vines cover the ground. Plant in hills 4 to 6 feet apart. Use plenty of seed.



IMPROVED GREEN NUTMEG

**EMERALD GEM.**—Finest in flavor and the earliest to ripen. Too soft to stand shipping any great distance. Unequaled for home use or nearby markets. Very prolific. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

**BURRELL GEM.**—A truly delicious melon about the size and shape of Rocky Ford, but has rich golden yellow flesh of most delicious flavor. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

**THOROUGHbred ROCKY FORD.**—This is the melon that made Rocky Ford famous. Flesh thick, of light green color and fine, juicy, luscious flavor. Very early and wonderfully productive. Our seed is from the best melon grower at Rocky Ford. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

**GRAND RAPIDS.**—A standard variety. Large melon. Yellow when ripe; orange flesh. Very early. Pkt. 5c; oz. 20c; ¼ lb. 40c; lb. \$1.25.

**IMPROVED GREEN NUTMEG.**—The best of the green fleshed sorts. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

**OSAGE.**—Flesh salmon color, sweet and spicy, very thick and delicious. Medium size oval. Pkt. 10c; oz. 20c; ¼ lb. 45c; lb. \$1.50.

**ENORMOUS.**—Grows to immense size. Has been grown upward of 15 lbs. in weight. Flesh very thick, salmon colored and of better flavor than any other large melon. Pkt. 10c; oz. 25c.

**BANANA.**—Attain a length of from 1½ to 3 feet; 3 to 4 inches thick. Has a pleasing flavor, peculiar to itself. Pkt. 5c; oz. 15c; ¼ lb. 40c.

## CASABA, or Winter Melon

**HONEY DEW.**—Flesh is light green and sweet as honey. The rind is straw yellow in color, smooth as an egg and hard. Keeps good for months in a cool place. Pkt. 10c; oz. 25c; ¼ lb. 65c.

## WATER MELON

One ounce is required for forty hills. Three pounds will plant an acre.

**GOLDEN SWEET.**—The Golden Sweet is a most delicious and fine flavored melon, unsurpassed for sweetness. Skin is dark green. Shape oblong, averages about 20 lbs. Rind very thin but hard and will carry without cracking. Flesh old gold yellow. When cut it presents a rich, attractive appearance. This is without exception the highest quality water melon in the list, and this is true of every melon in the field. We have never yet found a poor melon. Pkt. 10c; oz. 20c; ¼ lb. 50c.

**COLE'S EARLY.**—Very early and will mature farther north than most sorts. Of medium size; very attractive. Flesh bright red. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

**PEERLESS, or Ice Cream.**—Very early, medium size, thin rind, flesh bright scarlet. Great home market melon. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

**MONTE CRISTO, or Kleckley's Sweet.**—A wonderful popular variety. We do not hesitate to pronounce this one of the sweetest, juiciest, most delicious melons. Flesh bright red, rich, crisp and pleasant flavored. It ripens early, is of good size. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

**ORANGE.**—A new variety. Bright red flesh. Medium late. Peels like an orange. Not extra sweet but good quality and never a poor one in the field. You should try the Orange melon. Pkt. 15c; oz. 30c; ¼ lb. \$1.00.

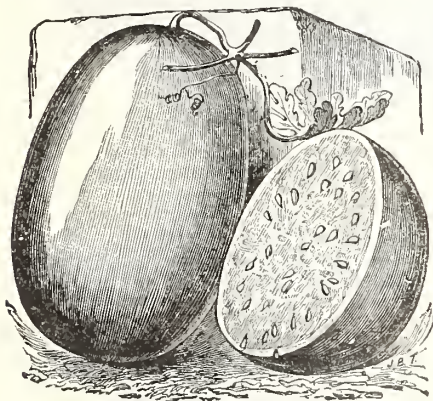
**TOM WATSON.**—The leading market melon. You seldom see any other variety offered. Hardy, good quality, good shape, large size and always solid. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

**SWEETHEART.**—A large round melon with a light colored rind. Splendid quality. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00.

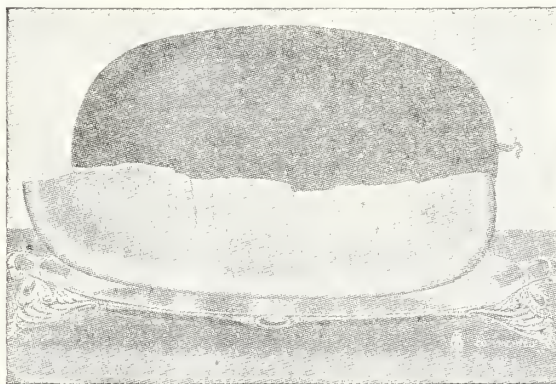
**HALBERT HONEY.**—Has no equal as a home or nearby market melon but will not stand much handling. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.25.

**IRISH GREY.**—New variety best described as light rind Tom Watson. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

**MIXED WATER MELON.**—As the seasons vary, some varieties of melons do better than others. By planting mixed water melons, you get a good crop every year. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.



APPLE PIE MELON



GOLDEN SWEET MELON

## CITRON MELONS

Better than melon rinds for preserving.

**APPLE PIE.**—The flesh is white, solid throughout and of excellent quality for making pies, preserves, etc., and resembles apples in flavor. They keep nice and fresh all winter, and any surplus can be fed to the live stock. Pkt. 10c; oz. 25c.

**RED SEEDED CITRON.**—Is round, dark green, striped and mottled with light green. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

## MUSTARD

**OSTRICH PLUME.**—Its leaves are long, ruffled, frilled and curved gracefully as ostrich plumes. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00.

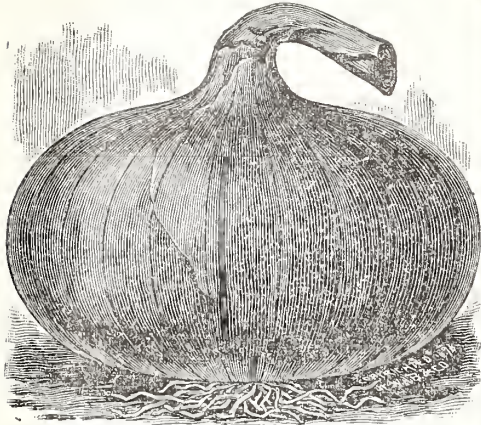
**SOUTHERN GIANT CURLED.**—This is the true curled leaf variety so popular in the South for fall planting for early spring salad. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

**WHITE ENGLISH.**—Its seed used for culinary purposes. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

## VINE PEACH

A splendid novelty, introduced by us. The fruit is about the size of a large peach, oval shaped, and is of a bright orange yellow color. For sweet pickles, pies or preserving they are superb. A jar of these cut in halves and cooked in syrup presents a beautiful and tempting appearance. Recipes for preparing for the table will be sent with each order. Pkt. 10c; oz. 25c; ¼ lb. 60c.





LARGE RED WETHERSFIELD

## ONION SETS

**BOTTOM ONION SETS.**—Produce the best quality of young green onions. Somewhat later than winter sets but much milder in flavor.

**WHITE BOTTOM SETS.**—35c per lb.; 3 lbs. for \$1.00, postpaid.

**RED BOTTOM SETS.**—35c per lb.; 3 lbs. for \$1.00, postpaid.

**YELLOW BOTTOM SETS.**—35c per lb.; 3 lbs. for \$1.00, postpaid.

Ask for price in quantity.

**POTATO ONION SETS.**—A species of Multiplier onion, increasing from bulb. ½ lb. 20c; lb. 40c, postpaid. Not prepaid, 3 lbs. \$1.00.

**PERENNIAL, or Winter Sets.**—Shipment after August 1st. Also called Egyptian or Tree Onions. Usually set in fall. Produce earliest spring onions. Do not make large bulbs. 40c per lb.; 3 lbs. \$1.10, postpaid.

BOTTOM ONION SETS

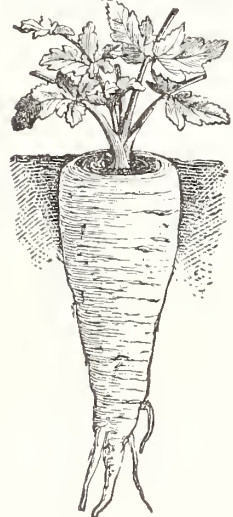


POTATO ONION SETS



## OKRA

**EARLY PROLIFIC.**—The earliest and most prolific. Just the sort for the North. The numerous pods are thick fleshed and keep coming until frost. Pkt. 10c; oz. 15c; ¼ lb. 40c.



**WHITE VELVET.**—Pods are round and smooth, of attractive appearance. Plants dwarf. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

## PARSNIP

One ounce will sow 200 feet of drill. Five pounds will sow an acre in drills.

Sow early in spring in good, rich soil, which has been plowed deep, in drills 14 inches apart, covering half an inch. Thin to 5 or 6 inches apart in rows. They are improved by freezing.

**IMPROVED GUERNSEY.**—A greatly improved and wonderfully fine strain of the Guernsey Parsnip. The roots are smooth, fine-grained and will cook as quick as potatoes. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

**HOLLOW CROWN.**—An old standard and still good. Pkt. 5c; oz. 15c; ¼ lb. 50c.



**IDEAL WEEDER**  
25c each, postpaid.

## PARSLEY

One ounce will sow 150 feet of drill.

Sow early, thinly, in drills 1 ft. apart, ¼ inch deep. For winter use, protect in glass frame or light cellar.

**MARKET GARDENER'S.**—An extra choice stock with dark green curled, mossy leaves, very productive. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$1.25.

**CHAMPION MOSS CURLED.**—Very select stock, finely crimped and curled. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00.

**HAMBURG.**—Turnip-rooted variety, used for flavoring soups. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$1.25.

## PEANUTS

**EARLY SPANISH.**—This variety can be grown and will ripen in Iowa. The nuts are not quite as large as southern varieties but are very prolific. Cultivate thoroughly until they begin to blossom, then let them alone. Dig after frost. Pkt. 10c; lb. 40c; 3 lbs. \$1.00, postpaid.

## ONIONS

Good onion seed is of the utmost importance as it is one of the most important crops grown. There is more money in onions grown from seed than almost any other crop. Fully realizing this, we have for many years made a specialty of onion seed which is all grown from choice, selected bulbs, critically examined before being set out for seed.

Our onion seed is American grown and we are sure no better onion seed is produced. You need not sow thick to be sure of a stand when you use our onion seed. We appreciate the anxiety on the part of the onion grower about the quality of the seed and we will not disappoint you. The onion crop was nearly a failure this year so we cannot list seed in quantity. Write us for price and test if you need large lot.

**EXTRA EARLY BARLETTA.**—The very earliest onion in cultivation. They are of a pure white color, and in size grow 1 to 1½ inches in diameter. For table use and pickling it is most valuable. Pkt. 10c; oz. 50c.

**LARGE WHITE GLOBE.**—Market variety. Beautiful, clean, pure white bulbs. Large, even size, globe shape. Undoubtedly the best white sort. Pkt. 10c.

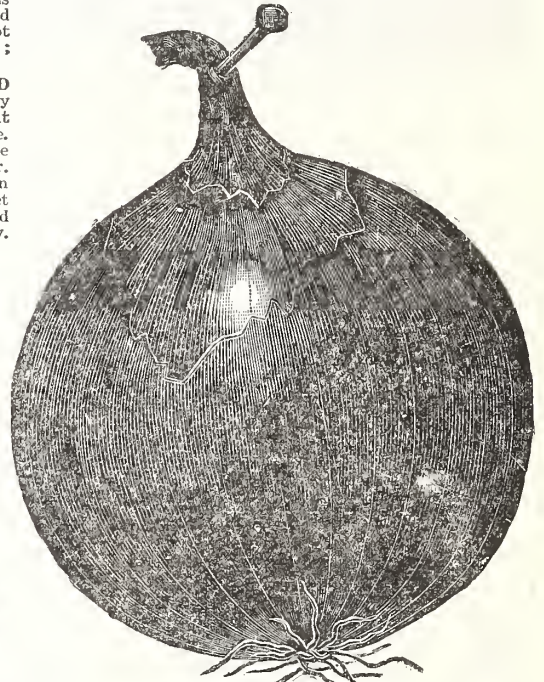
**MAMMOTH SILVER KING.**—The largest pure white onion, no other approaching its mammoth size. Slightly flattened but thick through. Often weighs over 2 lbs. Pkt. 10c.

**GOLDEN GLOBE.**—Offered by us as the very best yellow, globe-shaped onion for general culture. Always uniform in shape, size and color. Pkt. 10c; oz. 50c.

**MAMMOTH PRIZETAKER.**—One of the largest and handsomest of yellow onions. of a clear, bright straw-color and uniform perfect globe shape. Produces enormous crops. Pkt. 10c.

**LARGE RED WETHERSFIELD.**—Is the standard sort throughout the country, the easiest to grow and the surest to make a good crop. Of finest form, skin deep purplish red. The flesh is finely grained. Our seed is extra select and cannot be excelled. Pkt. 10c; oz. 50c.

**SOUTHPORT RED GLOBE.**—This is a very handsome variety and it grows to a large size. Skin deep red, flesh fine grained, mild and tender. It is steadily increasing in popularity as the market is demanding globe-shaped onions more than formerly. Pkt. 10c.



SOUTHPORT RED GLOBE







### PEPPER

One ounce will produce about 1,800 plants. Sow seed in hotbed early in spring; transplant to open ground when weather is favorable. Seeds germinate slowly. Require considerable heat.

**CORAL BOUQUET.**—Very small, bright red, and very hot. Pkt. 10c; oz. 75c.

**RED CHILI.**—Small, long fruit but very hot. Used for pepper sauce. Pkt. 10c; oz. 50c.

**SUNNYBROOK.**—This is in every respect the best of the pimento class of sweet peppers. In shape it is almost a globe, somewhat dented at the stem. A bright red in color, about 2½ inches in diameter and is the thickest fleshed pepper we have yet seen. Very sweet, of excellent flavor and not a trace of pungency. Plants grow nearly two feet high, well branched and heavily laden with fruits. Pkt. 10c; oz. 75c.

**PIMENTO.**—A new and distinct pepper. Perfectly sweet. Does not ripen this far north. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

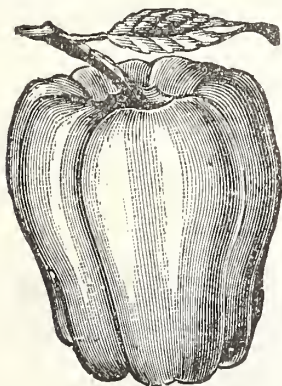
**CHINESE GIANT.**—Most gigantic of all giant peppers. A fine, mild pepper of enormous size, and brilliant glossy scarlet color. Pkt. 10c; oz. 60c; ¼ lb. \$2.00.

**RUBY KING.**—The standard variety for mangoes or sweet pickles. Fruits large, uniform, thick meat and smooth. Very pleasant, mild flavor. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

**MAMMOTH GOLDEN QUEEN.**—Similar to red mango peppers. When ripe the color is a bright, waxy, golden yellow and mild flavor. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

**KALEIDOSCOPE.**—A very ornamental sort. The small fruit changes from cream color to a deep, shiny scarlet. Pkt. 10c; oz. 75c.

**MIXED PEPPERS.**—A mixture of the above and other fancy varieties. Fine for exhibition. Pkt. 10c; oz. 50c.



CHINESE GIANT

### PEAS

One pound will plant about fifty feet of drill.

May be sown as early as the ground can be worked and for a succession every two weeks up to July; or, what is better, select several kinds which will form a succession in maturing.

**ALASKA.**—Height 2 feet. The pods are rather small, dark green color, well filled. The earliest pea known, being earlier than Pedigree Extra Early. 2 oz. pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not prepaid, 5 lbs. or more at 35c per lb.

**PEDIGREE EXTRA EARLY.**—After a trial of all extra early varieties we have not found one possessing more merit. Height 18 inches. 2 oz. pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not prepaid, 5 lbs. or more at 35c per lb.

**LITTLE MARVEL.**—Strong vine about 15 inches high. As early as American Wonder. More productive. 2 oz. pkt. 10c; ¼ lb. 15c; lb. 45c postpaid. Not prepaid, 5 lbs. or more at 35c per lb.

**AMERICAN WONDER.**—Popular extra early variety for family garden. Produces a profusion of good-sized, well-filled pods of finest flavored peas. 2 oz. pkt. 10c; ¼ lb. 15c; lb. 45c postpaid. Not prepaid, 5 lbs. or more at 35c per lb.

**NOTT'S EXCELSIOR.**—This is an improved Premium Gem. The improvement is in size of pods and productiveness. 2 oz. pkt. 10c; ¼ lb. 15c; lb. 45c postpaid. Not prepaid, 5 lbs. or more at 35c per lb.

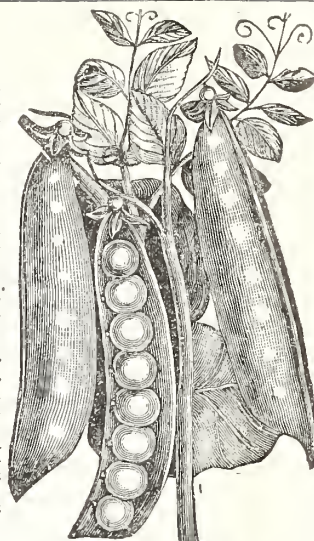
**GRADUS, or Prosperity.**—This remarkable pea is not only large and of best quality, but it is nearly as early as the small early sorts. Pods bright green color and measure 4 inches or more in length. 2 oz. pkt. 10c; ¼ lb. 15c; lb. 45c postpaid. Not prepaid, 5 lbs. or more at 35c per lb.

**EVERBEARING.**—Fine for main crop. Grows about 2 feet high, strong and vigorous. Does well without support. Continues to grow and produce pods of good size. 2 oz. pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not prepaid, 5 lbs. or more at 35c per lb.

**IMPROVED STRATAGEM.**—Noted for the immense size of pods and peas. 2 oz. pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not prepaid, 5 lbs. or more at 35c per lb.

**CHAMPION OF ENGLAND.**—Well known standard sort; grows 4 to 5 feet high and requires support, but fine quality and large crop produced more than repays any extra labor required. 2 oz. pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not prepaid, 5 lbs. or more at 35c per lb.

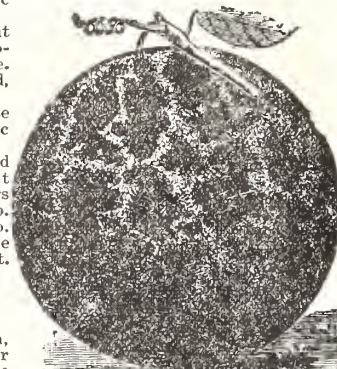
**MAMMOTH LUSCIOUS SUGAR.**—The largest of the edible pod varieties. Grows tall and requires support. Pkt. 10c; ¼ lb. 15c; lb. 50c postpaid.



NOTT'S EXCELSIOR

### POMEGRANATE

An interesting little orange and brown, spotted melon, very ornamental and highly scented. Add a few to your ripe cucumber sweet pickles. The flavor is delicious. Also called Queen Ann melon. Pkt. 10c; oz. 30c.



POMEGRANATE

### PUMPKIN

One ounce will plant 25 hills; 4 lbs. will plant one acre.

The best and most prosperous farmers put in a crop of pumpkins every year. They can be grown separately or with corn, and do not seem to interfere in the least. They are valuable for feeding stock, and what is Fair without pumpkins, or a Thanksgiving dinner without a pumpkin pie? Planted with corn, 2 lbs. will plant one acre.

**YANKEE PIE.**—The noted New England Pie or Small Sugar Pumpkin. Very sweet, fine grained and one of the best varieties for table use. Early. Pkt. 5c; oz. 10c; ¼ oz. 30c; lb. \$1.00.

**LARGE CHEESE.**—This is a very popular pumpkin for pies and is quite commonly known as "Sweet Pumpkin." Flat shaped with creamy buff skin and thick golden flesh. Can be grown in the corn like the common cow pumpkin. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c. Five lbs. by express or freight at 50c per lb.

**GOLDEN RUSSET.**—Also called Winter Luxury. Golden yellow, netted or russeted over surface. Small to medium size. Unsurpassed as a pie pumpkin and a good seller on market. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

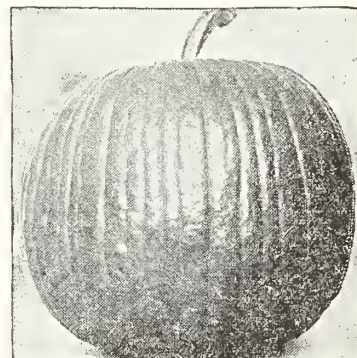
**GOLDEN CUSHAW, or Jonathan.**—Like the old Cushaw in shape but of clean old gold color. Flesh is solid, of deep orange color and very rich. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

**JAPANESE PIE.**—This is similar in size and form to the Cushaw but the skin is deep green. Seeds are marked on both sides with curious indentations resembling the Japanese alphabet. Very odd. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

**KING OF MAMMOTHS.**—Very large, bright yellow, fine-grained and of good quality. Grown for exhibition purposes. Pkt. 10c; oz. 20c; ¼ lb. 70c; lb. \$2.00.

**NEW ATLAS.**—The largest of them all. Grows to almost fabulous size and weight. Our seed is from the largest sized, perfect shaped specimens. Just the thing for exhibition. Flesh rich yellow, very thick. Profitable to grow for stock feeding. Pkt. 10c; oz. 20c; ¼ lb. 70c.

**CONNECTICUT FIELD.**—The common field or cow pumpkin. Oz. 10c; ¼ lb. 25c; lb. by mail 75c. Not prepaid, 10 lbs. \$6.50.



YANKEE PIE



## RADISH

One ounce will sow 100 feet of drill. Eight to ten pounds will sow one acre in drill.

**EARLY BIRD.**—Decidedly the earliest of radishes. It is of round or turnip shape, of bright scarlet color and pure white flesh. It has few and short leaves. Very desirable for the home garden and for market. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.



EARLY SCARLET GLOBE

**EARLY SCARLET GLOBE.**—This is the standard early round red radish. Of handsome color, crisp, juicy and tender. Is the gardeners standby for first early radish. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

**FRENCH BREAKFAST.**—Of medium size and olive shape, with small top. Quick growth, beautiful scarlet color, shading to white. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

**CHINA ROSE WINTER.**—A bright rose-colored variety. The most popular of the winter radishes because of its bright color, firm flesh and long keeping qualities. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

## SPINACH

One ounce to 80 feet of drill; 10 lbs. will sow one acre.

Makes the finest "greens" of any plant in cultivation. For summer sow early in spring in deep, rich soil, one foot apart in drills; cover one inch. Sow at intervals of two weeks all summer. For very early use sow in September and protect.

**NEW SIBERIAN.**—This is an entirely new and distinct spinach, being a hardy perennial. It is the first thing that starts to grow in the spring. Leaves are long, smooth, thick and fleshy. Free from insects. Easily prepared for cooking. Can be used all summer if not allowed to go to seed. Pkt. 10c.



NEW ZEALAND SPINACH

**LONG STANDING.**—This is standard with gardeners. The leaves are fleshy. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 50c.

**VICTORIA.**—A variety distinguished for its very long standing qualities. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 50c.

**BLOOMSDALE.**—Savoy-leaved, curled sort. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 50c.

**NEW ZEALAND.**—This is a variety of great merit. It is of the "cut and come again" type of plants. It is ready to use by the time the early spinach has gone to seed and will continue to grow and produce its clusters of thick leaves until frost. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c; lb. \$1.00.

## SALSIFY, or Vegetable Oyster

One ounce sows 50 feet of drill.

It is one of the most delicious and nutritious of vegetables and should be more generally cultivated for use in the winter, when the

**CRIMSON GIANT.**—A rapid growing variety, developing roots of beautiful deep crimson, perfect in shape and more than double the size of any other forcing variety. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

**VIOLET QUEEN.**—A small round or turnip-shaped variety of a beautiful violet-purple color, shading to white near the tip, thus giving it a very pleasant aspect. It is very showy on the table. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c.

**ICICLE.**—A splendid variety of almost transparent whiteness. It is much the most popular sort in the entire list. There is no variety that grows more uniform in type and there are none that surpass it in quality. We recommend it as the best. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

**EARLY LONG SCARLET, or Short Top.**—An old standard variety of quick growth, long, slender root. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.



SPARKLER

**SPARKLER.**—This is a new extra early, white tipped, round radish. It is distinct in that the white tip is larger and more pronounced than in any other sort. The contrasting colors give a most attractive appearance. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

**WHITE STRASBURG.**—Of handsome, oblong shape, both skin and flesh being pure white. Excellent for summer use. Very popular because it remains fit for use a long time and does not get pithy. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. 90c.

**MIXED RADISH.**—Our mixture of about two dozen kinds contains all shades and shapes. One sowing does for the whole season, as they come early, medium and late. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

## WINTER RADISH

**LONG BLACK SPANISH.**—A large, black-skinned radish, with firm white flesh of pungent flavor. A good keeper, lasting until spring. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

supply of really good vegetables is limited. It has the true oyster flavor and is delicious substitute for them in soup, etc. Cultivate like parsnips.

**MAMMOTH SANDWICH ISLAND.**—The best variety. The roots are white, smooth and of superior quality. Pkt. 10c; oz. 30c;  $\frac{1}{4}$  lb. 75c; lb. \$2.75.

## RHUBARB

One ounce will produce about 100 plants.

Succeeds best in deep, rich soil. Sow in the spring in drills, cover one inch. Thin to six inches apart; transplant in the fall or spring to permanent beds three feet apart each way.

**WINEPLANT, or Strawberry Rhubarb.**—The finest and richest flavored rhubarb. Stalks are smaller than other sorts, of a bright red color, and cook red, making a most appetizing dish. Prolific and good for all summer. Pkt. 10c; oz. 25c.

**VICTORIA.**—The standard variety. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.25.

**IDEAL MAMMOTH.**—The largest pie plant. Leaves four feet across; stalks three inches in diameter and three feet long. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c.

## RHUBARB ROOTS

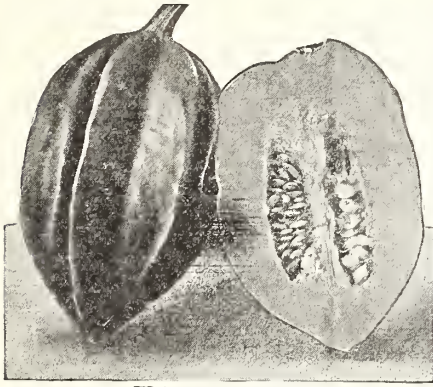
Purchase roots, as you can save one year's time in this way. The roots we offer are large divided plants. Plant spring or fall, setting three feet apart.

Either variety 35c each; \$2.50 per dozen postpaid; \$1.25 per dozen not prepaid. We have a splendid stock.



RHUBARB





THE DES MOINES

**EARLY PROLIFIC MARROW.**—Early and productive; in color brilliant orange-red. Good cooking and keeping qualities. Ripens earlier than the Hubbards and is useful as an early fall variety. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; lb. \$1.50.

**TRUE HUBBARD.**—This is the most popular winter squash grown. Hard, green shell; flesh bright orange yellow, fine grained, very dry, sweet and rich flavor; keep in perfect condition throughout the winter. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; lb. \$1.50.

## TURNIP

One ounce will sow 150 feet of drill; 2 pounds will sow an acre.

For early, sow in April in drills half an inch deep and twelve inches apart; thin to six inches apart in the drill. For main crop sow broadcast in July and August, and before a shower if possible.

**EARLY WHITE MODEL.**—The handsomest and earliest. Fine grained and sweet. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 35c; lb. \$1.25.

**EXTRA EARLY PURPLE TOP MILAN.**—Much like the above but has purple top. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 35c; lb. \$1.25.

**WHITE EGG.**—A quick growing, egg-shaped, perfectly smooth, pure white variety with small top and rough leaves. The flesh is very sweet. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 75c.

**GOLDEN BALL, or Orange Jelly.**—A beautiful bright yellow fleshed turnip of medium size and universally sweet and delicious flavor. Flesh extremely firm and solid. If you have never tried yellow turnips, we advise you to plant Golden Ball this year. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

**PURPLE TOP GLOBE.**—The largest yielder of any turnip on the list. True to its name in shape and color. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 75c. Not prepaid, 5 lbs. or more, at 60c per pound.

**PURPLE TOP STRAP LEAVED.**—The standard for late planting. Of good size, flat shape, pure white below with purplish red top. Excellent keeper. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 65c. 5 lbs. not prepaid, at 55c per lb.

## RUTA BAGA

Also called "Swede" turnips. A splendid table vegetable, also grown for stock feeding. Superior to turnips in quality. Sow in June in drills 2 feet apart; thin out to eight inches.

**IMPROVED AMERICAN.**—Very solid, good shape, smooth skin, small neck, keeps well. A choice strain of very best quality for table use or stock feeding. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 35c; lb. \$1.00.

## GARDEN PLANTS

Every garden should contain an assortment of these hardy plants and a few square feet will supply the family. Many believe if these well known remedies were kept and used more in families in place of so many drugs and patent medicines it would be better for the health of the people. We pay the postage.

**CALAMUS—Plain Leaf.**—(Acorus.) Also called "Sweet Flag." The roots are the part used and have a pleasant, aromatic taste. Each 15c; doz. \$1.50.

**CHIVES.**—Perfectly hardy little perennials of the onion tribe, and are grown entirely for their tops, which are used wherever flavor of onion is required. The tops appear very early in spring and can be shorn throughout the season. Roots per bunch 15c; 3 for 40c.

**HOP ROOTS.**—(Golden Cluster.) A fine variety of commercial hops. The vines are very ornamental when trained over rockeries, stumps, etc., with the added value of usefulness from the crop produced. Each 25c; 3 for 50c; doz. \$1.50.

**MONARDA DIDYMA.**—Also called Scarlet Bergamot and Oswego Tea. Not only useful as an herb, but very ornamental with bright scarlet flowers. Each 15c; 3 for 40c; doz. \$1.25.

**PEPPERMINT.**—All children know and like the flavor of peppermint. It has a high medicinal value. Any pantry collection of dried herbs is incomplete if it does not contain some. Be sure that your order calls for at least a few plants. Each 15c; 3 for 40c.

## SQUASH

One ounce of early varieties will plant about forty hills, 2 lbs. per acre. One ounce late varieties will plant about twenty hills, 4 lbs. per acre.

Plant about the middle of spring in hills, the early sorts four to six feet apart, the late varieties eight to twelve. Thin to three plants in the hill. The soil cannot be too rich. Use Slug Shot to kill the bugs.

**DES MOINES SQUASH.**—Introduced by us, under the name "Table Queen." Name changed at the request of the Des Moines Market Gardeners' Association. Vines are vigorous and very productive. Just the right size, averaging 6 inches long and 4 inches in diameter. Color dark green, shell hard, smooth and rigid. Just wash it clean, cut in half, take out the seeds, bake twenty minutes and you will have the nicest squash you ever tasted. Splendid for pies. Ripens in

the fall. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 65c; lb. \$2.00.

**GOLDEN BUSH.**—The earliest of all and quite a favorite with all who like summer squash. Bright golden yellow color and of excellent quality. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; lb. \$1.50.

**WHITE BUSH SCALLOPED.**—Like Golden Bush. Sometimes called "Patty Pan." Differs from the Golden Bush in color only. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; lb. \$1.50.

**EARLY BUSH CROOKNECK.**—Splendid, early, productive and of fine quality. No summer squash superior to this. Shape long, with curving neck; skin warted. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 55c; lb. \$2.00.

**PEERLESS VEGETABLE MARROW.**—In England they consider this far superior to squash. Peerless is the most desirable sort. Of excellent flavor. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 55c; lb. \$2.00.

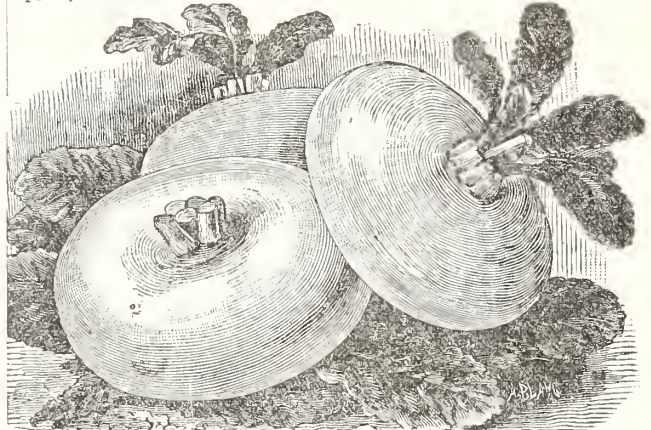
**GOLDEN HUBBARD,** also called Red Hubbard.—A counterpart of the old Green Hubbard, except in color, which is bright, deep orange-yellow. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; lb. \$1.50.

**SYME'S BLUE HUBBARD.**—A new strain of Hubbard. Color clear, light blue; thick shelled and a good keeper. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 55c; lb. \$2.00.

**BANANA.**—A distinct variety of fall and winter squash. Very prolific, grows to 2 feet or over in length; very fine grained, heavy. Cooks dry but free from "choky" quality common to winter squashes. Always rich, sweet and splendid flavor. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 55c; lb. \$2.00.

**SPEARMINT.**—Commonly called Mint and thousands of dollars' worth of it is sold annually in New York, Boston and other cities for flavoring salads, garnishing meat, etc. Each 25c; 3 for 40c; doz. \$1.00.

**GARLIC.**—Species of onion propagated by dividing the bulbs into small pieces, planting each one separately. It is quite pungent and is used for flavoring soups, stews, etc. Per lb. 70c postpaid. By express, lb. 60c.



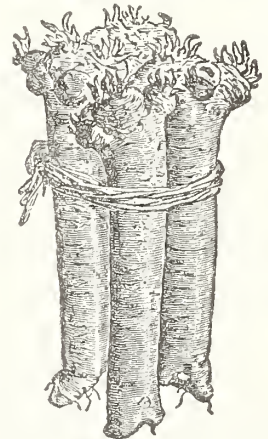
EARLY WHITE MODEL

## HORSE RADISH

Grow it in your own garden and grate fresh. Plant the sets small end down in rows 3 feet apart, about 12 inches apart in the row. It does best in rich, loose soil covered about two or three inches. Price, crown sets 50c per doz.; \$2.50 per 100. Root cuttings 25c per doz.; \$1.50 per 100. Ask for price in large lots.

## VEGETABLE PLANTS

We will have a full line of these in the spring and a price list will be issued in March. If interested in planting large lots, let us quote you special prices.







SUPERLATIVE

## PRESERVING TOMATOES

**GOLDEN NUGGET.**—Has no equal as a preserving tomato. Fruits are beautiful golden yellow, round as a ball and about as large as a hulled black walnut. Pkt. 10c; oz. 50c.

**PEACH.**—Named from its resemblance to a peach in size and shape and color. Pkt. 10c; oz. 50c.

**YELLOW PEAR.**—Pkt. 10c; oz. 40c;  $\frac{1}{4}$  lb. \$1.00.

**CRIMSON CURRANT.**—A most charming little fruit of bright crimson color; borne in long clusters about the size of currants. Pkt. 10c; oz. 60c.

## HERBS

In making up your assortment of seeds for the year, don't neglect to order a few varieties of herbs. The chief point is to harvest them properly, which should be done on a dry day when not quite in full bloom, dried quickly.

**ANISE.**—Seeds of agreeable aromatic taste. Pkt. 5c; oz. 25c.

**BALM.**—For making balm tea. Pkt. 5c; oz. 25c.

**BASIL, SWEET.**—For flavoring soups. Pkt. 5c; oz. 15c.

**BORAGE.**—Leaves used for flavoring. Pkt. 5c; oz. 15c.

**CARAWAY.**—Seeds are used for flavoring bread, cookies, etc. Pkt. 5c; oz. 15c.

**CATNIP, or Catmint.**—For seasoning. Pkt. 5c; oz. 30c.

**CORIANDER.**—Seeds used in confectionery. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 25c.

**CASTOR OIL PLANT.**—Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 50c.

**CHAMOMILE.**—Largely used for medicinal purposes. Pkt. 10c.

**DANDELION.**—For greens, also for medicine. Pkt. 5c; oz. 35c.

**DILL.**—Used in making dill pickles. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 30c; lb. 80c.

**FENNEL, SWEET.**—Leaves used in sauces. Pkt. 5c; oz. 15c.

**HYSSOP.**—For asthma and catarrh. Pkt. 5c; oz. 20c.

**HOREHOUND.**—For seasoning and cough remedy. Pkt. 5c; oz. 20c.

**LAVENDER.**—Used as a perfume. Pkt. 10c; oz. 25c.

**MAJORAM, SWEET.**—For seasoning. Pkt. 5c; oz. 20c.

**POPPY, or Maw.**—Blue seeded. Pkt. 5c; oz. 10c.

**ROSEMARY.**—Aromatic leaves for seasoning. Pkt. 10c; oz. 60c.

**SAFFRON.**—Flowers used for coloring. Pkt. 5c; oz. 20c.

**SAGE.**—Much used for dressing. Pkt. 10c; oz. 40c;  $\frac{1}{4}$  lb. \$1.25.

**SUMMER SAVORY.**—Used for flavoring. Pkt. 5c; oz. 20c.

**THYME.**—Leaves used for seasoning. Pkt. 5c; oz. 40c.

**WORMWOOD.**—Used medicinally and also for poultry. Pkt. 5c; oz. 25c.

**MIXED VARIETIES.**—A mixture of all the above. A nice garden assortment. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 65c.

## MUSHROOMS

The spawn we offer is produced in this country and gives good results. Directions for culture sent on application. Per brick of 1 lb. by mail 40c. By express or freight, not prepaid, 5 bricks \$1.25, 10 bricks \$2.25, 100 bricks \$20.00.

## TOMATO

One ounce will produce about 2,500 plants.

Sow early in hotbeds or seed boxes and when plants have four leaves transplant to 4 or 5 inches apart. When all danger of frost is past, transplant to the open ground, 4 to 6 feet apart each way. Our tomato seed is saved from hand-picked fruits. No decayed or deformed tomatoes are used.

**EARLY DAWN.**—A new variety of English origin. Very solid for an early tomato. Prolific. Excellent flavor. Good red color. Pkt. 10c; oz. 35c.

**BONNIE BEST.**—A very early and desirable variety. The fruits are most attractive in shape, solidity and color, which is bright scarlet from outside to center. Ripens more uniformly than other early sorts. A favorite with market gardeners. Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00; lb. \$3.50.

**JOHN BAEK.**—This variety is offered as one of the earliest for home and commercial use. In our trials we have found it to mature about the same time as Bonny Best. Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00; lb. \$3.50.

**DWARF CHAMPION.**—Also called Tree Tomato. Plant is dwarf and compact, stem stiff and short jointed, almost self-supporting when it is laden with fruit. Early. Color purplish pink. Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.10; lb. \$4.00.

**SUPERLATIVE.**—The best of all the main crop tomatoes. Fruits are medium size, very solid and without exception the best flavored red tomato we have ever grown. It is very handsome, being a pinkish crimson in color. While we grow many other varieties on our Seed Farm our women folks use Superlative in preference to any other. Pkt. 10c; oz. 50c.

**LIVINGSTON'S BEAUTY.**—A standard variety that always gives satisfaction. In color it is purplish red. Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.10; lb. \$4.00.

**MATCHLESS.**—Well worthy of its name for in beauty, color and symmetry of form it is without a peer. Pkt. 5c; oz. 30c;  $\frac{1}{4}$  lb. \$1.00; lb. \$3.50.

**PONDEROSA.**—A well known variety, rather late to mature. Fruits are very large and solid, of purple color. Inclined to be irregular in shape. Pkt. 10c; oz. 45c;  $\frac{1}{4}$  lb. \$1.50; lb. \$5.50.

**CRIMSON CUSHION.**—Like Ponderosa, except color, which is bright red. Pkt. 10c; oz. 45c;  $\frac{1}{4}$  lb. \$1.50; lb. \$5.50.

**GOLDEN QUEEN.**—Large yellow. Its fruit is smooth and of finest flavor. Pkt. 5c; oz. 30c;  $\frac{1}{4}$  lb. \$1.10; lb. \$4.00.

**WONDER MAGNUS.**—The best of the potato-leaved tomatoes. Pkt. 10c; oz. 30c;  $\frac{1}{4}$  lb. \$1.00; lb. \$3.50.

## GRAND TOMATO TRIO

THE THREE MAJESTICS—RED, PINK OR YELLOW

One packet each of the three Majestics for 25c.

We have been featuring our three Majestics for several years and are selling more seed each year. They are certainly the last word in size and quality for main crop. They grow to immense size, are perfectly solid. Splendid quality, very few seeds and cannot be beat for canning. Either color, pkt. 10c; all three for 25c; oz. 60c.

## CANNING CLUB COLLECTION

EIGHT CHOICE GARDEN FRUITS FOR PICKLING, PRESERVING AND CANNING

**GROUND CHERRY.**—A delicious garden fruit relished by all. Pkt. 10c;  $\frac{1}{2}$  oz. 25c.

**GARDEN HUCKLEBERRY.**—Another splendid little fruit. You will like it. Pkt. 10c.

**APPLE PIE MELON.**—A large citron melon of superior quality. Per pkt. 10c.

**VINE PEACH.**—The finest thing for sweet pickles. Pkt. 10c; oz. 30c.

**AMERICAN MAMMOTH DILL.**—For dill pickles. Pkt. 10c.

**LEMON CUCUMBER.**—Splendid for sweet or sour pickles. Unsurpassed for slicing. Pkt. 10c; oz. 30c.

**GOLDEN NUGGET TOMATO.**—Best of the preserving tomatoes. Round in shape, bright yellow in color, and about the size of a hulled black walnut. Wonderfully prolific. Pkt. 10c; oz. 50c.

**PIMENTO PEPPER.**—Medium to large size and suitable for making green pepper pickles. Per pkt. 10c.

One pkt. of each, sufficient for the ordinary garden, postpaid, only 50c

## CHILDREN'S GARDEN COLLECTION

Let the children have their own plot, do their own harvesting, and see how much enjoyment they get from their work.

1 pkt. **YELLOW GROUND CHERRY**, sweet and good; 1 pkt. **PEACH TOMATO**, fine flavored and small size; 1 pkt. **TIP TOP MUSK MELONS**, large and fine quality; 1 oz. **SWEET-HEART WATER MELON**, as good as the name; 1 pkt. **AUSTRIAN HULLESS POP CORN**, the best pop corn variety; 1 oz. **CHUFAS** or **EARTH ALMONDS**, small sweet ground nuts of delicious flavor;  $\frac{1}{4}$  lb. **SPANISH PEANUTS**, can be grown in any good soil.

Seven items of the best, amounting at regular value to 80 cents.

MAILED POSTPAID FOR ONLY 50 CENTS.



# FARM SEED DEPARTMENT

This department is under the management of Mr. George L. Kurtzweil, who was raised on a Seed Farm, has Agricultural College training, and has been working with Mr. C. L. Bane, the acknowledged corn expert for many years.

We are well equipped with mills, graders and cleaning machinery for cleaning and handling all kinds of grain and grass seeds.

We are very proud of the reputation our "IOWA SHIELD BRAND" seeds have acquired and we spare no work or effort to maintain this high (99.50% Pure) standard of excellence.

**SHIPPING.**—Our shipping facilities are excellent, so that we can give you prompt service. We do not pay freight or express on farm seeds, but we deliver to the depot here and furnish bags without charge.

**PRICES.**—Prices named in this department are subject to important market changes. We print a weekly price list during the spring season. If you will write us, sending list of your requirements, we will take pleasure in sending samples and quoting our price.

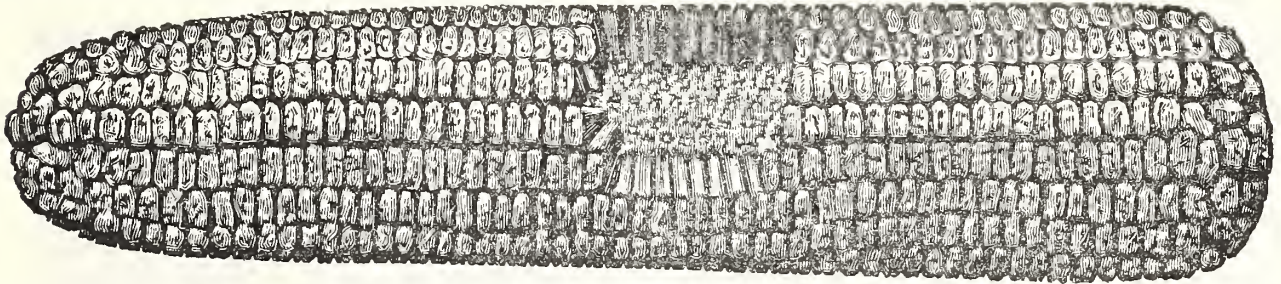
You take no risk when you order from us as all orders are sent out with the understanding that seed must be

satisfactory to you or it may be returned to us within 15 days and the money paid will be refunded. This gives you time to inspect and test or to have it inspected and tested by any authority, and we will abide by the report. There is no sale until you are satisfied.

**ABOUT WARRANTING.**—We thoroughly test all our seeds and nothing is sent out which we do not believe to be good in every respect. However, we give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned, and the money paid for same will be refunded. We know of no responsible seed firm in the world which guarantees seeds any further than this. Compare with other seed catalogues and you will find we are right.

## SEED CORN

Our Seed Corn is grown by us or is grown for us and is hand-selected, carefully tested for germination, is tipped, butted carefully, graded, and is as choice as care and labor can produce. We handle only varieties of proved excellence.



KRUG YELLOW VICTOR

## KRUG YELLOW VICTOR

### ITS ADVANTAGES

Krug Corn has proved its superiority again this year. On a Polk county farm it made eighty-five bushels per acre on rich bottom land. On the same farm it produced hard, dry corn safe from freezing in September. This was on sandy fall plowing, and of course, yield was not equal to the richer ground but it produced seed that will grow. We are ear testing this corn and will make the price as low as we can. See Red Ink List for present quotation.

Krug has produced ripe seed where Reid's Dent and other late varieties were too wet to pick.

If enough Krug seed were available for planting the entire acreage of the state, next year would see an increase in corn production instead of the inevitable low yield which follows the use of poor seed and poor yielding varieties. The year 1926 will reward the growers of high-yielding varieties of corn.

### ITS ORIGIN

Seventeen years ago Mr. George Krug of Woodford County, Illinois, purchased of the Iowa Seed Company some World's Fair and Iowa Gold Mine seed corn. He mixed the two varieties and planted them together through the same planter boxes. From this planting has been developed the splendid corn which we offer you under the title "Krug's Yellow Victor."

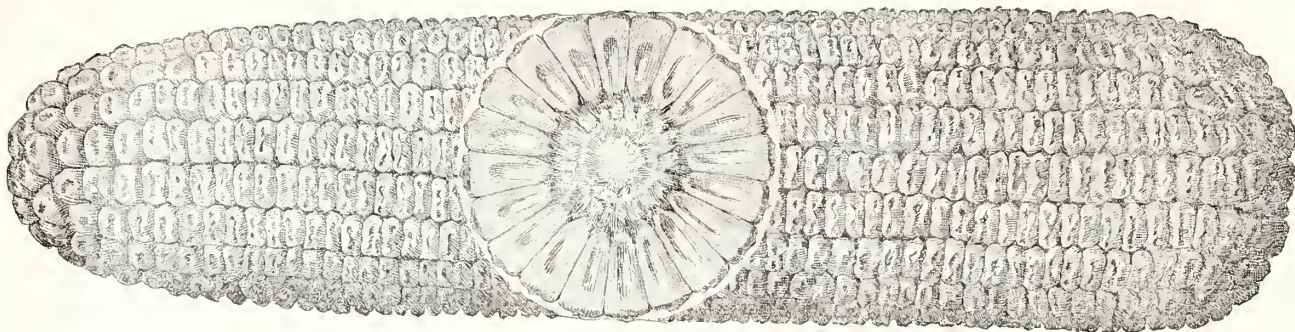
The original stock of World's Fair Corn was the ten ears which took first prize at the World's Columbian Exposition held in 1892 at Chicago. We introduced it to the public under the name "World's Fair." Our Iowa Gold Mine Corn is so universally known that no details are necessary, except that from this parent the Krug's Yellow Victor no doubt gets its early maturity and fine color.

### ITS RECORD

The superiority of this corn was proved in the most exacting contest ever conducted among corn growers, as will be noted in details below:

The Woodford County (Illinois) Farm Bureau under direction of the County Agent instituted a three-year acre yield corn contest among the farmers of that county. Each contestant was required to select seed each year and deliver it to the County Agent. The selected seed was planted under number designations so that results might not become public until completion of the contest. One hundred and twenty of the farmers remained in the contest the full period of three years and met the requirements. When the results were compared it was found that Krug Yellow Victor had given the greatest yield each season. By reason of this showing the County Agent purchased for the Farm Bureau the entire crop of Mr. Krug and distributed it among the farmers of Woodford County, so that today it is practically the only variety grown there.





IOWA SILVER MINE

## IOWA SILVER MINE

THE CORN THAT ALWAYS MAKES A CROP.

MOST WIDELY GROWN WHITE CORN.

The heaviest yielding corn of all and that is true regardless of location. We have reports from all parts of the United States praising Iowa Silver Mine Corn in highest terms. We introduced this corn more than thirty years ago. Each year the stock seed was carefully selected to maintain its superior qualities and the past several years we are using the "ear row method" of selecting our stocks of seed corn, which enables us not only to select the best ears but also to reject ears with inferior qualities.

We are very proud of the record this corn has made. There has not been a single failure in the thirty years we have been growing and selling it. If we could have but one variety we would choose this, as it possesses all the qualities required of a good corn.

### IT IS TRULY THOROUGHbred

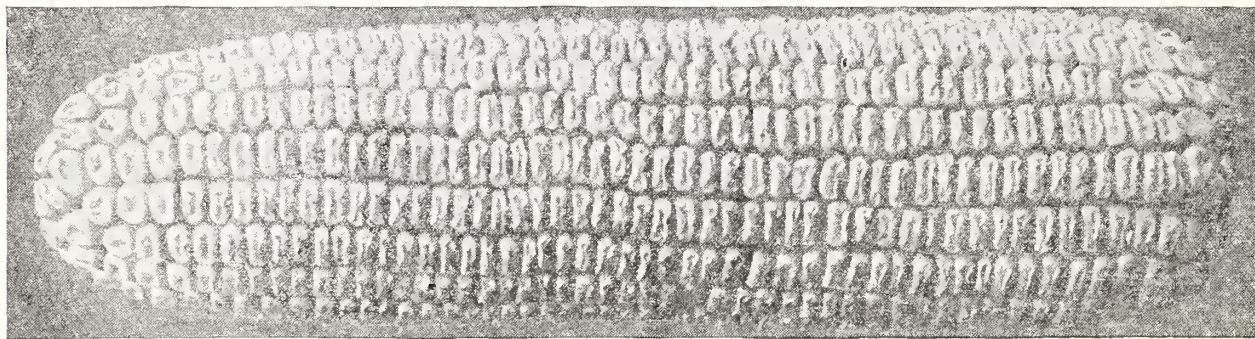
The stalks grow 7 or 8 feet high and set the ears well up on the stalk. The ears are very uniform in shape and size, 10 or 11 inches, with 16 to 20 straight rows of deep pure white kernels which are slightly hackled but not rough and are easy to husk.

Matures with us in 100 days. Has never failed to make a good crop.

Stands a hot, dry summer better than most varieties.

The Iowa Silver Mine has no superior as an ensilage corn. The Agricultural Experiment Station at Rocky Ford, Colo., states in their bulletin that it produced more and better proportioned ensilage than any other in a test of over thirty other varieties.

Not only is it the best white corn but is second to none in any way. On account of the early freezing weather supply is limited. See Red Ink List for price.



IOWA GOLD MINE

## IOWA GOLD MINE

DEEPEST GRAINED, PUREST YELLOW CORN IN EXISTENCE.

THE FEEDER'S FAVORITE VARIETY.

It ripens in ninety-five days and never fails to mature and is the most certain to succeed in adverse seasons. It is all corn and corn of extra quality.

Seventy pounds of Iowa Gold Mine on the ear will make 62 to 63 pounds of shelled corn. This is the smallest proportion of cob of any variety.

On account of the deep grains it shells easily and none is wasted when fed to cattle.

If you want a corn that has high feeding value, that is a good yielder and sure to mature you will be pleased with Iowa Gold Mine.

We began making this variety in 1889. In 1897 we first offered it under the name Iowa Gold Mine. We sold it on sample and quickly disposed of all we had that year and we have never failed to be sold out each year since and the demand today is greater than ever. There must be a reason.

Many varieties have sprung up and been offered during these years but have had their day, while Iowa Gold Mine is still going strong.

Iowa Gold Mine has always given greatest value to the feeder. Ripening ahead of the larger, later varieties it can be fed direct from the field at a time when grain feed is highest in price and hard to get. The cob is small and easily crushed by cattle and it will surprise you how rapidly animals will gain on new Iowa Gold Mine Corn.

With much of the corn soft and of poor feeding value this year we believe that grain feed will be very scarce and high in price next September. Plant a few acres of Iowa Gold Mine and have grain from the new crop two or three weeks before your main planting can be used.

The best proof of the value of Iowa Gold Mine is the fact that once planted the grower wants a field of it every year in spite of the larger yield possible from other varieties. Think how much it would have saved you the past year if a part of your corn crop was Iowa Gold Mine and then plan to plant some this year.

For price of ear tested seed of our own growing see Red Ink List.



## COPPER CROSS

The crossing of two or more inbred corns to produce extraordinary yields is comparatively new, but the United States Department of Agriculture as well as several of the corn-belt states are busily at work making inbred strains and testing them in combination.

**COPPER CROSS** is the first corn bred along these lines to be sold in the corn belt.

In 1924 it won the Gold Medal in the south-central section of the acre yield contest of Iowa, yielding eleven bushels more per acre than the average of the thirty Reid strains entered, and six bushels more than the best Reid entry.

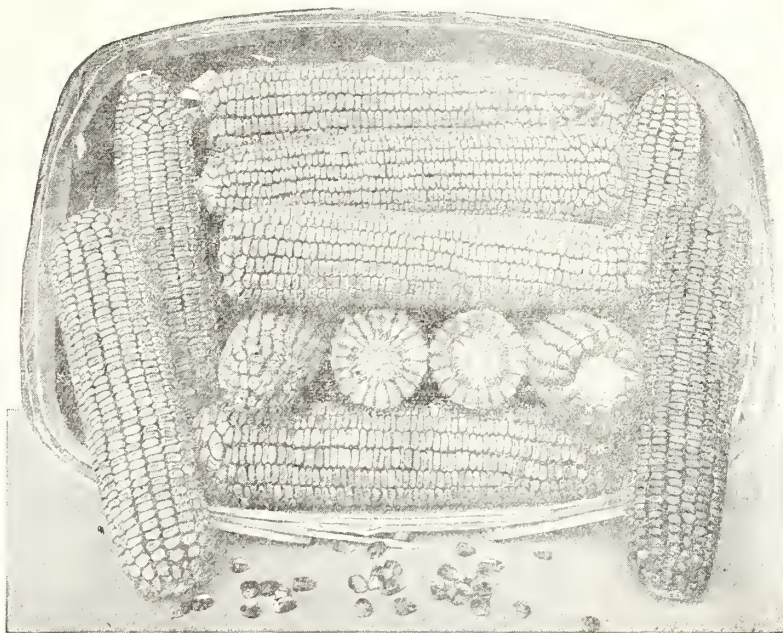
A distinct advantage of **COPPER CROSS** is the early maturity of the breeding or seed-producing fields. Seed was ripe in September and was harvested before frost. The resulting crop also matures a little earlier than Reid Yellow Dent, but should not be planted north of the Illinois Central Railroad in Iowa.

**COPPER CROSS** seed is red in color and the crop grown from it is a reddish yellow or copper color. It has exactly the same feed value as yellow corn.

Every seed ear is from a detasseled stalk to insure cross pollination.

If you want seed that will grow and corn that produces the big yield, plant **COPPER CROSS**.

A bushel of corn will plant seven acres. If the yield is eleven bushels per acre more than average Reid, as



proved by the Iowa Corn Yield Contest in 1924, a bushel of Copper Cross is worth at least \$35.00 more for seed than ordinary Reid corn.

The seed we are offering this year has higher germinating quality than that which we entered in the 1924 Corn Yield Contest.

Price, pkt. 10c; 1 lb. \$1.00, postpaid. Not prepaid, peck \$3.75; 1 bu. \$15.00.

## PRIDE OF THE NORTH

The Earliest Variety of Yellow Dent Corn. Matures in Ninety Days.

Originated with A. L. Goddard of Kossuth County, Iowa, near Minnesota line. The ears are 7 to 8 inches long, with small cob and kernel. Color bright orange, very uniform and matures in this latitude when planted in June. It is the dependence of the man in a

pinch. If for any reason you cannot plant at proper time, Pride of the North will make a crop in less time than the large-eared sorts.

PRICES—7 lbs. (will plant one acre) \$1.25 prepaid; ¼ bu. \$2.50. See Red Ink Price List enclosed in this catalog for quantity price.

## EXTRA EARLY FLINT CORN

Ready For Use a Month Earlier Than Ordinary Varieties.

The great value of the Flint varieties of corn is in the production of early feed for live stock because it is sufficiently matured for feeding far in advance of the Dent varieties.

**LONGFELLOW FLINT**.—The best yellow variety. Good yield and early maturity. 3 lbs. 75c postpaid. By freight, pk. \$1.50; bu. \$5.00.

**SANFORD'S EARLY WHITE FLINT**.—This standard variety is considered the best flint corn on the market. The ears are of unusual length, 12 to 15 inches, and of handsome shape and flinty white color. 3 lbs. 75c postpaid. By freight or express, not prepaid, pk. \$1.50; bu. \$5.00.

## EVERGREEN SWEET FODDER CORN

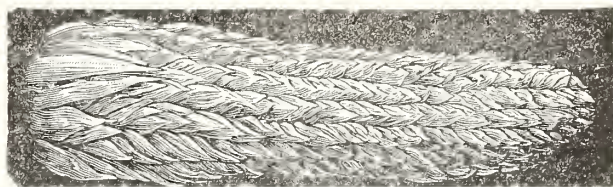
Superior to Field Corn in Feeding Value

We consider it one of the most valuable fodder plants in existence, and stock farmers should all devote some land to it.

PRICES—10 lbs. \$1.25; \$10.00 per 100 lbs.

### A UNIQUE AND NOVEL VARIETY OF CORN

**PRIMITIVE OR POD CORN**.—It is from this wild variety that all of our civilized sorts have sprung. The ears are of fair size and each individual kernel or grain is covered with a husk and all is enclosed in an outer husk like common corn. In some of the wild and uncultivated parts of Mexico, the primitive or natural corn can still be found growing wild. It is quite a curiosity and valuable for exhibition purposes and attracts great attention wherever seen. Pkt. 10c.

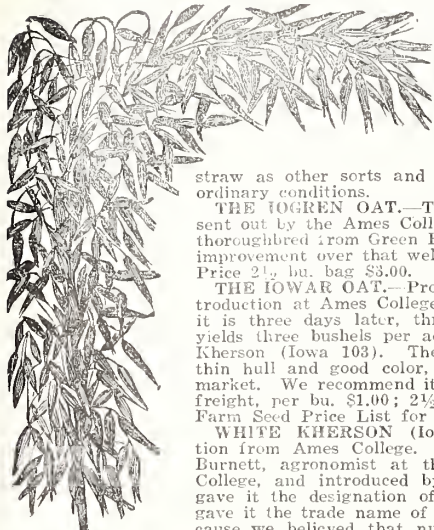


PRIMITIVE OR POD CORN



# SEED OATS

Buy Iowa Grown Seed



For the farmer who wants to sow grass seeds with oats, we recommend the White Kherson (Iowa 103) on ordinary soil, or the Richland (Iowa 105) on strong soil. These do not make such rank growth of straw as other sorts and will not lodge under ordinary conditions.

**THE IOGREN OAT.**—This is a new variety sent out by the Ames College. The Iogren is a thoroughbred from Green Russian and is a great improvement over that well-known popular sort. Price 2½ bu. bag \$3.00.

**THE IOWA OAT.**—Prof. Burnett's latest introduction at Ames College. The professor says it is three days later, three inches taller and yields three bushels per acre more than White Kherson (Iowa 103). The grain is good size, thin hull and good color, so it is popular for market. We recommend it to our farmers. By freight, per bu. \$1.00; 2½ bu. bag \$2.25. See Farm Seed Price List for quantity price.

**WHITE KHERSON (Iowa 103).**—A production from Ames College. Bred by Prof. L. C. Burnett, agronomist at the Iowa Agricultural College, and introduced by us. Prof. Burnett gave it the designation of "Iowa 103" and we gave it the trade name of "White Kherson" because we believed that numbers might become

confusing. It is without doubt the most popular variety in our state. It is very early, the grain is plump and heavy, with thin hull. The straw is strong and stands up well on good soil. Our seed is pedigreed stock grown continuously by us since first given us by Prof. Burnett, and it has always been given great care in seed selection and in grading. By freight, per bu. \$1.00; 2½ bu. bag \$2.25. See Farm Seed Price List for price in quantity.

**THE RICHLAND OAT (Iowa 105).**—The best variety for rich, strong land. Another variety from the Agricultural College, bred by Prof. L. C. Burnett, and it was sent out as the best for strong, rich ground, where the ordinary varieties of oats would lodge. It does not grow very tall, but has stiff, strong straw and it will stand up under adverse conditions better than any other variety known. It is very early and produces wonderful crops and competes with the White Kherson in quantity produced. The grains are medium sized, light yellow in color, plump and heavy. By freight, per bu. \$1.00; 2½ bu. bag \$2.25. See Farm Seed Price List for price in quantity.

# SEED WHEAT

**MARQUIS.**—This is the wheat that won the \$1,000 prize at New York Agricultural Exhibition against all exhibitors, representing every wheat growing section of the western hemisphere. Originated at the Experimental Station at Ottawa, Canada. We have found it the best beardless variety for Iowa planters. We grow our own stock in Iowa because we find that acclimated seed is better for our friends than stock secured from the North. Grows stiff, strong straw of medium height, has round dark red kernels and matures two weeks earlier than the old blue stem types. Popular because free from beards and not so hard to handle at harvest. Per lb. 25c; 3 lbs. 60c postpaid. By freight per bu. \$3.00. Ask for price in quantity.

**EARLY JAVA.**—The early bearded sort that is so prolific and gives best returns in the corn belt. It is a bearded variety which for many years past has given far better satisfaction in central Iowa than any other bearded variety. Earlier than the Velvet Chaff or other standard sorts and thus escapes the extreme hot weather so injurious to small grain. It is usually ready for harvest as early as winter wheat and therefore desirable to sow on land where winter wheat has partially failed. A good crop can this way be secured from fields which would otherwise be unprofitable. By freight, per bu. \$3.00. Ask for price in quantity.

## MACARONI OR DURUM WHEAT

It will yield more bushels per acre than ordinary varieties. It is always a sure crop. It grows very strong and vigorous and gives a good return on poor land. The grains are hardy, glossy, often translucent, large and plump and really beautiful. It seems to be freer from smut or rust than ordinary varieties. Sow one and one-half bushels per acre. By freight, per bu. \$3.00. Ask for price in quantity.

# SEED BARLEY

**MANDSCHEURI.**—Improved strain of standard six-row barley. The standard market variety by which all are graded. It is an early variety, very strong stiff straw, stands up and stools well. It bears large well-filled heads of plump grain. By freight, per bu. \$1.75. See Farm Seed Price List for quantity price.

**ODERBRUCKER.**—First introduced into the U. S. from the Agricultural Experiment Station at Guelph, Ontario, Canada. Bred and disseminated at the Wisconsin Agricultural College by Prof. R. A. Moore who claims it is the greatest barley in this country for feeding or malting purposes. It is bearded and in growth similar to Mandscheuri but the straw is somewhat stronger and stiffer, and will stand upon the richest ground. Will not rust and is free from smut. Per lb. 25c; 3 lbs. 60c postpaid. By freight, per bu. \$1.75. See Farm Seed Price List for quantity price.

# SEED RYE

**MAMMOTH SPRING RYE.**—This is quite different from the winter rye. It is not only more productive but the grain is of finer quality and it can be successfully grown in any latitude. The straw is of special value as it stands six or eight feet high. Produces thirty to forty bushels of grain to the acre. As it does not stool like winter rye, not less than two bushels to the acre should be sown. By freight, per bu. \$2.50. See Farm Seed Price List for quantity price.

**MONSTER WINTER.**—It is usually sown in the fall. If sown early in the spring, it makes an early and abundant pasture, but makes no grain crop. We can supply in the fall this and other varieties of rye for grain production, and will be glad to quote the different kinds about August 1st. By freight, per bu. \$2.00. See Farm Seed Price List for current values in quantity.

# BUCKWHEAT

Buckwheat is a valuable crop. Generally sown in July and fills up vacant plots at a time when all other planting is past. Also largely used as a winter cover crop in orchards and nurseries. Use about one-half bushel seed per acre.

**JAPANESE.**—Is more productive than any other and succeeds well far north. The kernels are quite large. Lb. 25c; 3 lbs. 60c postpaid. By freight, per bu. \$2.50. See Farm Seed Price List for current prices.

**SILVER HULL.**—Grain is light gray color, rounder than the common variety, has a thinner husk; earlier. Lb. 25c; 3 lbs. 60c postpaid. By freight, per bu. \$2.50. See Farm Seed Price List for current values.

# SEED FLAX

Our seed is thoroughly re-cleaned, free from mustard or any other seed and is as good as can be purchased anywhere. Do not buy flax seed on open market. It is generally full of weed seed. Per lb. 20c; 3 lbs. 50c postpaid. Market changes. See Farm Seed List for prices.

# BROOM CORN

**EVERGREEN.**—The brush is noted for fine quality, good length and handsome appearance. Lb. 25c; 3 lbs. 65c postpaid. See Farm Seed Price List.

**DWARF.**—Popular in some sections. Matures late. Lb. 25c; 3 lbs. 65c postpaid. Send for Farm Seed Price List for value on quantity.

# SUNFLOWER

The very best poultry feed for winter. Drill in rows. **MAMMOTH RUSSIAN.**—Extremely large sunflower. Large pkt. 5c; lb. 35c; 3 lbs. 90c postpaid. By freight or express, not prepaid, 10 lbs. \$2.25; bu. (25 lbs.) \$5.00.

# WHITE CANADA FIELD PEAS

Their value is for early hay. Sow early as the ground can be worked, one bushel of peas to two bushels of oats per acre. Mix together and sow with grain drill. Cut when oats are in the milk, cure as ordinary hay. Matures in 90 days. Peas add nitrogen to the soil like clover, so the crop is a help. Lb. 25c; 3 lbs. 60c postpaid. See Farm Seed List for quantity prices.

# COW PEAS

**COW PEAS.**—These have been so generally superseded by soy beans that they are no longer an important item. We can supply the New Era and Whippoorwill varieties. Per lb. 25c; 3 lbs. 60c by mail postpaid. See Farm Seed Price List for quantity values.





## SUDAN GRASS

**MAKES FINE QUALITY HAY. WONDERFULLY PRODUCTIVE.  
A MOST VALUABLE QUICK-GROWING PLANT FOR  
AN ANNUAL HAY CROP.**

Sudan has made a place for itself as a forage and hay crop. It has the advantage of being inexpensive to sow, as 8 to 10 lbs. drilled or 15 to 20 broadcast is sufficient, and price this year is low. Will make two cuttings for hay if sown early or one good crop of hay, and pasture afterwards until freezing weather. Lb. 25c; 3 lbs. 60c postpaid. See Farm Price List for quantity price.

## KENNEY'S EARLY AMBER CANE

An improved variety grown on our own farms to keep it pure. The stock seed has been saved from stalks tested for sugar content. This process has been followed for a number of seasons, until we now have without doubt the best sorghum cane in the country. Specially recommended for northern planters as it matures quicker than other varieties. Use only 5 lbs. seed per acre. Per lb. 25c; 3 lbs. 60c postpaid. Not prepaid, 10 lbs. \$1.25; 25 lbs. \$2.50; 100 lbs. \$8.00.

## EARLY ORANGE CANE

Seeds are produced in compact head similar to Kaffir and Feterita. It is a few days later to mature than the Amber. It is not so good for northern planters as Kenney's Amber. The syrup is somewhat lighter than that made from the Amber variety. High grade seed, per lb. 25c; 3 lbs. 60c postpaid. Not prepaid, 10 lbs. \$1.25; 25 lbs. \$2.50; 100 lbs. \$8.00.

## CANE FOR FODDER OR SILAGE

There is no fodder plant in existence that is so generally popular. It is profitably grown anywhere from Manitoba to Mexico, on any good corn ground, and does not appear to be affected by drouth. It is easy to raise. It is valuable as green forage, as hay or fodder, and as silage. It is wonderfully productive. Send for free circulars on Cane and Sudan Grass. See Farm Seed Price List.

## KAFFIR CORN

Grown here principally as a poultry feed, for which purpose it is excellent. Also has some value for forage. Price per lb. 25c; 3 lbs. 50c postpaid. By freight or express, not prepaid, 10 lbs. 75c; 25 lbs. \$1.50. See Farm Seed List for quantity values.

## FETERITA

Similar to Kaffir corn in general habit. It matures earlier than Kaffir, and the grains are somewhat larger and softer. Suitable for feeding most any kind of live stock. Per lb. 25c; 3 lbs. 50c postpaid. Not prepaid, 10 lbs. 75c; 25 lbs. \$1.50. See Red Ink List for quantity price.

## MILO MAIZE

Belongs to the same family as Kaffir Corn and resembles it in manner and habit of growth. Grain is light red color. Per lb. 25c; 3 lbs. 50c postpaid. Not prepaid, 10 lbs. 75c; 25 lbs. \$1.50. See Red Ink List for quantity price.

## DWARF ESSEX RAPE

**SOW IN SMALL GRAIN. SOW AMONG THE CORN.**

A very popular and useful green forage crop. Fine for quick pasture for hogs, sheep or chickens. May be sown early, either alone for early pasture or with oats to make pasture after the crop is cut. Rape is also sown in corn at last cultivation. This is a very profitable method where the crop is to be "hogged down" in October. Pkt. 5c; lb. 25c; 3 lbs. 60c postpaid. Not prepaid, 10 lbs. \$1.50; 25 lbs. \$3.00. See Farm Seed Price List for quantity prices.

## SAND OR WINTER VETCH

Should be seeded in the fall. Makes fine pasture in the spring. Also used for hay. Gathers nitrogen like clover. Pkt. 10c; lb. 40c; 3 lbs. \$1.00 postpaid.

## SOY BEANS

The most valuable method of using the Soy Beans in the Corn Belt is to plant them in the corn at the time of planting. Most planters now have either a Soy Bean attachment or one which can be adjusted to the dropping of the beans. The crop is "hogged down" in October and produces pork at very low cost. If rape is sown in corn and beans at last cultivation, added value is given to the pasture. For hay or fertilizer purposes use one to two bushels per acre and plant with a grain drill. Harrow the beans until four or five inches high. As a crop to improve the soil it is equal to clover. The roots of the plant gather nitrogen in the same manner as clover. When grown for a seed crop, use 15 to 30 lbs. per acre, drilling in rows 32 to 36 inches apart, with beans one inch apart in the rows. Cultivate frequently. An average yield on good soil is 25 bushels per acre. There are a great number of varieties. We list only those varieties proven to be adapted to northern conditions. Pkt. any variety 5c; lb. 25c; 3 lbs. 60c postpaid. See Red Ink List for prices.

## VARIETIES OF SOY BEANS

**BLACK EYEBROW.**—Beans are black and yellow, easily identified. Very prolific, early ripening and desirable. Produced the heaviest crop for us this season.

**MANCHU.**—Medium size, clear yellow bean; grows upright, heavy foliage and splendid yielder. Our stock is true to name, grown here in Iowa.

**PEKIN.**—A small black bean for hay. Goes much further in seeding.

**MORSE.**—A green seeded variety for planting with corn.

## MILLETS

Nothing like millet to cover up shortage in hay. Can be sown in the middle or end of July and makes a valuable crop. Sow 50 lbs. per acre for hay, thirty pounds per acre for seed crop. As a rule a seed crop is profitable.

**IOWA SHIELD GOLDEN MILLET.**—This is an extra fancy grade of the true Golden Millet of the Tennessee or cultivated strain. Per lb. 25c; 3 lbs. 60c postpaid.

**SIBERIAN MILLET.**—Frequently called Red Millet. Lb. 20c; 3 lbs. 50c postpaid.

**MANITOBA MILLET.**—Sometimes called Hog Millet. Makes more seed than any other variety. Much used for poultry feed as it is heavy and plump. Lb. 20c; 3 lbs. 50c postpaid.

## PERMANENT GRASS MIXTURES

These mixtures we make up to suit the various purposes and conditions. Nothing but good new seed of high germination is used. The proportions are based on State Experiment Station experience. Made up for the following uses:

Upland Meadow, Lowland Meadow, Upland Pasture, Lowland Pasture, Woodland Pasture. Ask us for estimate on any special mixture.

## LAWN GRASSES

Our Lawn Grass is made of choice re-cleaned stocks. No chaff or screenings are ever used. People are more critical about seeding the lawn than any other seeding or planting they do and we know our Lawn Grass will stand the test of the most exacting home makers. We sell by weight, not by measure, which means more than double amount of clean seed for the price. Send for booklet, "How to Make a Lawn."

**EVERGREEN MIXED LAWN GRASS SEED.**—Our own special mixture of grass seeds suited for growing together in the central and northern states. Is formed of grasses which keep green from early spring all through the summer. Per lb. 60c; 3 lbs. \$1.75, postpaid. Not prepaid, 10 lbs. \$5.00.

**SHADY PLACE MIXTURE.**—This mixture is a combination of fine, dwarf-growing, evergreen varieties of grass which grow naturally in the woods or in shaded spots, to make a fine lawn under shade trees. Heavy seeding makes quick sod. Price per lb. 75c; 3 lbs. \$2.00, postpaid. Not prepaid, 10 lbs. \$6.00.

**TERRACE LAWN MIXTURE.**—This is a mixture of grasses which have strong and spreading roots, making a close turf which heavy rains cannot wash out easily. Per lb. 75c; 3 lbs. \$2.00, postpaid. Not prepaid, 10 lbs. \$6.00.

## KENTUCKY BLUE GRASS

**KENTUCKY BLUE GRASS.** "Iowa Shield" Brand.—We pride ourselves on this extra choice grade, which is of such unusual purity and high germination. Lb. 60c; 3 lbs. for \$1.75, prepaid. Not prepaid, 10 lbs. \$5.00. See Farm Seed Price List.

## WHITE DUTCH CLOVER

**WHITE CLOVER.** "Iowa Shield" Brand.—The well known common white clover. Lb. 75c; 3 lbs. \$2.00, postpaid. See Farm Seed List for quantity prices.

## LAWN FLOWER MIXTURE

A special mixture of low growing, quick blooming flowers, very desirable for sowing with Lawn Grass Seed in the spring. Pkt. 10c; oz. 35c.

## LAWN FERTILIZERS

**PEERLESS FERTILIZER.**—Lawn grass is a voracious feeder and will not thrive and hold its color and velvety appearance unless it is suitably fed. Our Peerless Fertilizer is of best quality, dry, finely pulverized, easy to apply, practically nonodorous. In preparing a new lawn sow 25 to 50 lbs. per 1,000 sq. ft. of surface, according to richness of soil, raking in thoroughly. For top dressing on lawns, use about 20 lbs. per 1,000 sq. ft. or 1,000 lbs. per acre. 10 lb. pkg. 50c; 25 lbs. \$1.00; 50 lbs. \$1.75; 100 lbs. \$3.00. Ask for price in quantity.

**SHEEP MANURE.**—This is a natural manure, unadulterated. If wanted in liquid form, dissolve at the rate of 1 lb. to 5 gallons of water. Price, 10 lbs. for 50c; 50 lbs. \$1.75; 100 lbs. for \$3.00. Ask for price in quantity.

**PURE BONE MEAL.**—It is clean, free from odor and gives results in added growth of grass. Preferred by many users because it lasts longer than other fertilizers, one application usually showing results for several seasons. 10 lbs. 50c; 50 lbs. \$1.75; 100 lbs. \$3.25. Ask for prices in quantity.





We do not handle imported clover or alfalfa as quality is always inferior, besides the danger of weed seeds.

Our Iowa Shield Brand stands for choicest, plumpest, cleanest seed. In figuring the cost of your seedling remember a pound of clean seed goes farther than a pound of seed and dirt mixed.

## CLOVERS

**MEDIUM OR COMMON RED CLOVER.**—This is the most important of all clovers and the standard everywhere for hay and pasture and our "Iowa Shield" grade is the plumpest, cleanest, purest, fanciest grade, tested and of high quality.

**MAMMOTH RED CLOVER.**—This is also called Sapling or Pea Vine clover. It resembles the Medium Red but grows coarser and more vigorous. It is the best clover for pasturing, but not as desirable for hay.

**ALSIKE CLOVER.**—Alsike clover is a perennial variety and because it does not die out, it is preferred for permanent pastures and meadows. It thrives on wet, heavy soils and in mucky ground better than any other clover.

**WHITE DUTCH CLOVER.**—The low-growing creeping bardy white-flowered sort. Its principal use is in permanent pastures. Per lb. 75c; 3 lbs. for \$2.00 postpaid. See Farm Seed Price List for quantity value.

**TIMOTHY AND ALSIKE MIXTURE.**—We mix this ourselves to safeguard quality and proportion. 25 lbs. Alsike to 75 lbs. timothy. A splendid item for permanent meadow and makes really desirable hay.

## IOWA SHIELD ALFALFA

Send for free booklet "How to Grow and Use Alfalfa."

No crop is so valuable for permanent meadow as Alfalfa. Three crops of hay are cut in Iowa and the North generally. We procure our Alfalfa seed from the states of Kansas, Nebraska and South Dakota so that they are suitable for any section of the country. Per lb. 40c; 3 lbs. \$1.00 postpaid. See Farm Seed Price List for quantity price.

## GRIMM ALFALFA

We are offering true Dakota grown stock of this variety. We will use the greatest care to provide our customers with genuine Grimm. Per lb. 75c; 3 lbs. \$2.00 postpaid. See Farm Seed Price List.

## SCARIFIED SWEET CLOVER

Ask for Free Circular on Sweet Clover and price per bushel.

**SCARIFYING THE SEED.**—One great difficulty with Sweet Clover in the past was slow germination. In the natural condition, the seed has a very hard hull and the germ does not start quickly. Prof. H. D. Hughes of the Iowa Agricultural College at Ames, Iowa, perfected a machine and permitted us to install one in our warehouse so that we can now supply our customers with seed that will show a high percentage of germination.

**WHITE BIENNIAL.**—(Melilotus Alba, or Bokhara.) The white flowered variety. Per lb. 30c; 3 lbs. 75c.

**YELLOW BIENNIAL.**—(Melilotus Officialis.) Very similar to the white-flowered. Not so rank and coarse and for this reason is claimed to be superior for hay. Lb. 30c; 3 lbs. 75c.

**HUBAM, ANNUAL, SWEET CLOVER.**—This is the annual white-flowered Sweet Clover, discovered by Prof. Hughes of the Iowa Agricultural College, who traced its point of origin to Alabama, where it was found growing among the biennial variety. It was given the name "Hubam" for the sake of brevity and to combine the name of the discoverer with the place of discovery, and also to distinguish it from other clovers. It is expected by the use of Hubam to build the soil in one season as much as in two seasons with the common red clover. Lb. 50c; 3 lbs. \$1.40 postpaid.

## GRASS SEED

**TIMOTHY.**—Is the foundation grass for meadow and pastures and is popular because it fits in with almost any rotation system. Generally sown with clover in spring, among oats, wheat or rye. Use 12 lbs. of seed per acre if alone; 10 lbs. with clover. Per lb. 25c; 3 lbs. 50c postpaid. Ask for price in quantity.

**IOWA SHIELD KENTUCKY BLUE GRASS.**—It thrives in all parts of the United States. As a pasture grass it affords more nourishment for live stock than any other. Sow 15 lbs. per acre. By mail, postpaid, per lb. 60c; 3 lbs. \$1.75. See Farm Seed Price List.

**ORCHARD GRASS.**—Thrives better in shaded situations than other grasses and is therefore specially valuable for woodland pastures. Per lb. 50c; 3 lbs. \$1.40 postpaid. See Farm Seed Price List.

**RED TOP.**—Very hardy perennial. Specially useful as an item in pastures or meadows on wet soils. Solid seed, per lb. 50c; 3 lbs. \$1.40 postpaid. See Farm Seed Price List.

**ENGLISH BLUE GRASS.**—Also called Meadow Fescue. (Weight 14 lbs. per bu.) Sow 20 lbs. per acre if alone. Lb. 50c; 3 lbs. \$1.40 postpaid. See Farm Seed Price List for quantity prices.

**PERENNIAL RYE GRASS.**—Also known as English Rye Grass. Legal weight 14 lbs. per bushel. Sow 20 lbs. to acre. Lb. 40c; 3 lbs. \$1.00 postpaid. See Farm Seed Price List.

**ITALIAN RYE GRASS.**—The annual rye grass which grows so quickly. Produces a fine crop of hay in 70 to 80 days. Will produce second crop suitable for pasturage. Sow 14 lbs. (1 bu.) per acre. Per lb. 35c; 3 lbs. \$1.00 postpaid. See Farm Seed Price List.

**BERMUDA GRASS.**—Withstands heat and drouth wonderfully. It runs over the ground forming a dense turf. Sow 8 lbs. per acre. Per lb. 75c; 3 lbs. \$2.00 postpaid. 5 lbs. or more, not prepaid, at 60c a lb.



## SEED POTATOES

CUSTOMERS ARE TO PAY COST OF TRANSPORTATION

The potato crop of 1925 was very short. Seed will be uncertain and high in price. All seed we offer will be from best growing sections of Minnesota or Wisconsin and the best seed for use in Iowa.

Last year we advised the planting of potatoes. This year with the high cost of seed, plant only for early market. When Minnesota potatoes are ready for market we will see a much lower price level. Plant only early varieties and northern grown seed for best results.

### EXTRA EARLY OHIO

It is an especial favorite with marketmen, and the most profitable they can grow. On account of early maturity you get the highest market prices. Will keep firm until late in the spring. Frequently sold under the name Early Six Weeks. See Red Ink List for prices.

### EXTRA EARLY TRIUMPH

A popular first early variety. This is the round, red potato which is generally in our markets as new potatoes early in spring. The color is bright red. See Red Ink List for prices.

### IRISH COBBLER

Has the form and color so popular in the market. Is prolific and profitable to the grower and has become a much prized variety. Matures as early as the Ohio, and is preferred because it is smooth and round in shape and of cream white color. Eyes well developed and slightly indented. See Red Ink List for prices.

### RURAL NEW YORKER

Preferred by large buyers because it is large, unusually smooth, with few and shallow eyes, skin white as is also flesh, which is of good quality. Medium late and the best drouth resister. There is no other potato of more handsome appearance than the Rural New Yorker. It is very hardy and will stand the heaviest manuring without getting scabby or spotted. See Red Ink List for prices.

## SEED SWEET POTATOES

Thrive on any of the loam soils of the Middle West, and do especially well on sandy ground. We usually ship from April 12th to 20th and notify customers when we start them.

**EARLY YELLOW JERSEY.**—Holds first place. Earliest and most productive; of large, short, chunky shape and of best quality. 10 lbs. \$1.25; 30 lbs. \$2.50.

**NANCY HALL.**—A variety originated in the South. Flesh is dark colored and cooks a bright orange. Splendid for baking and is extra sweet and full of sugar. 10 lbs. \$1.25; 30 lbs. \$2.50. Ask for prices in quantities.



# FLOWER SEEDS.

We give our Flower Seed Department as careful attention as any other part of our business. We like flowers and grow them by the acre on our home seed farm at Altoona, especially those varieties which require careful attention to keep them at their best. We are constantly trying new varieties and kinds and crossing and selecting to produce the choicest strains.

**PRICES.**—We believe that when you buy flower seed you want the best of that kind and we therefore offer only the best that can be grown or obtained, and will not handle the cheap grades.

**CULTIVATION.**—In general, early planting is desirable, as soon as ground is in nice condition and not sticky.

Good ground and good cultivation certainly make for size, color, and profusion of bloom.

## ASTERS

Asters have always been popular and are becoming more so, owing to the great improvements that are being made. For late summer and fall they make a rich display.

**SUPERB MIXED.**—This mixture is made up of the various types and styles of asters and cannot fail to please you. There are no inferior strains in it. Pkt. 10c;  $\frac{1}{4}$  oz. 35c; 1 oz. \$1.25.

**IMPROVED BRANCHING.**—This is the most popular florists' strain. It is also a popular type for outdoor growing. Mixed colors. Pkt. 10c;  $\frac{1}{4}$  oz. 40c; 1 oz. \$1.25.

**SEMPLE'S BRANCHING.**—Flowers are large and double, borne on upright, compact bush. Mixed colors. Pkt. 5c;  $\frac{1}{4}$  oz. 30c; 1 oz. \$1.00.

**GIANT COMET MIXED.**—Shape differs from all others, with their long, twisted petals. Perfectly double. Pkt. 10c;  $\frac{1}{4}$  oz. 40c; 1 oz. \$1.25.

**QUEEN OF THE MARKET.**—A splendid early type of aster. Mixed colors. Pkt. 5c;  $\frac{1}{4}$  oz. 30c; 1 oz. \$1.00.

**SINGLE FLOWERING MIXED.**—Produce single daisy-like flowers in various colors. Pkt. 10c;  $\frac{1}{4}$  oz. 50c.

**ROYAL ASTERS.**—This is a recently developed type of large-flowering asters that will be appreciated by everyone. Petals are broad, curved or shell-shaped, giving an exquisite effect. They are midseason in time of flowering and bloom until frost. We offer these in separate colors as follows: White, shell-pink, lavender, red, and purple—or all colors mixed. Pkt. 10c;  $\frac{1}{4}$  oz. 75c; or one pkt. of each of the six for 40c.

**HEART OF FRANCE.**—This is the deepest and most brilliant red of any aster. Pkt. 10c.

**BANNER BLUE.**—The nearest to a pure blue in asters. Pkt. 10c.

**SNOWDRIFT.**—A large, full, double white of sturdy growth. Very free flowering. Pkt. 10c.

**BANNER ASTER COLLECTION.**—One packet each of Heart of France, Banner Blue, and Snowdrift for 25c. You will find our aster packets well filled.

## ACROCLINIUM

A beautiful everlasting. Very delicate flowers. Colors white, pink and red. Double mixed. Pkt. 5c; oz. 30c.

## AGERATUM

**BLUE PERFECTION.**—Flowers large and of deep blue. Pkt. 10c;  $\frac{1}{4}$  oz. 25c.

**ALBIFLORUM.**—Like above only white. Pkt. 10c;  $\frac{1}{4}$  oz. 25c.

## ALYSSUM

**SWEET.**—Has little white flowers, useful for small bouquets. Its fragrance is very delicate. Makes pretty edging. Pkt. 5c;  $\frac{1}{4}$  oz. 15c; oz. 25c.

**LITTLE GEM.**—Very dwarf and remarkably uniform. Only 3 or 4 in. high. Pkt. 5c;  $\frac{1}{4}$  oz. 20c; oz. 50c.

**LILAC QUEEN.**—A new color in Alyssum. Becomes more pronounced the latter part of summer. Pkt. 10c.

## AQUILEGIA

(Columbine)—Free flowering and deservedly popular hardy plants. Bloom profusely through spring into early summer. Hardy perennial.

**LONG SPURRED HYBRIDS.**—The spurs on these are very long. Many colors, all showy. Pkt. 25c.

**CHRYSANTHA.**—The beautiful large-flowered yellow columbine. Pkt. 10c.

**COREULEA.**—The true Rocky Mountain blue columbine. Pkt. 10c.

**DOUBLE VARIETIES MIXED.**—A fine assortment. Pkt. 10c.

## AMARANTHUS

### HARDY ANNUALS. SOW EARLY IN SPRING

**PURPLE MANTLE.**—A new amaranthus and the most striking and showy of all. Has large purple leaves, which do not fade in hot weather. The large fronds of reddish purple flowers almost cover the plants. A block of this variety on our Seed Farm was a delight from May until freezing weather. Pkt. 10c. Plant a bed of it. 1 oz. 40c.

**TRICOLOR.**—Well known as "Joseph's Coat." Pkt. 10c.

**CAUDATUS (Love Lies Bleeding).**—Produces long, drooping chains of brilliant-colored flowers. Pkt. 10c.

**MIXED VARIETIES.**—Pkt. 5c;  $\frac{1}{4}$  oz. 20c; oz. 40c.

## AMBROSIA—PERFUME PLANT

Long spiral stem with abundant buds and blossoms. Very fragrant. Pkt. 10c;  $\frac{1}{4}$  oz. 25c.

## AMMOBIUM

**ALATUM GRANDIFLORA.**—A pretty everlasting white flower. Pkt. 5c.

## ANTIRRHINUM

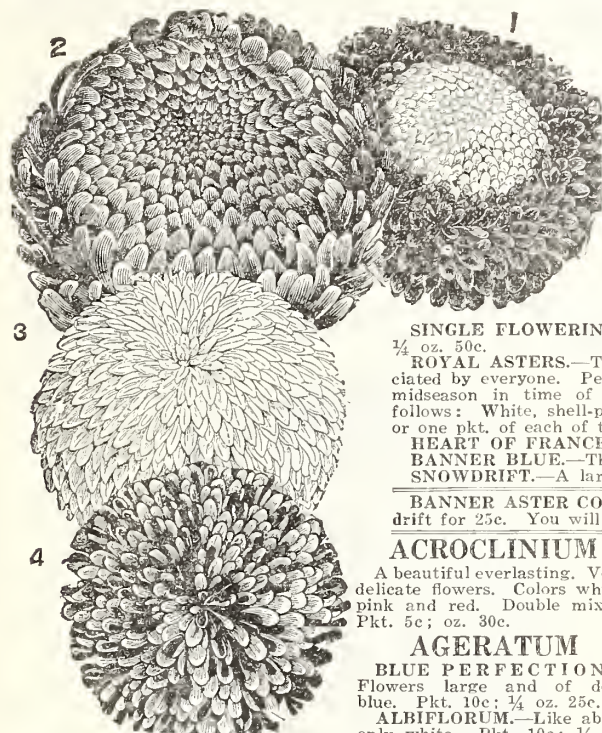
**GIANT FLOWERED.**—Most beautiful new class, having the finest colors and markings. Flowers are of immense size and produced in long spikes. Bloom all summer. Pkt. 10c;  $\frac{1}{4}$  oz. 40c; oz. \$1.25.

## ARCTOTIS GRANDIS

Remarkably handsome annual. Its flowers, borne on long stems, are large and showy, with a yellow zone at base; reverse of petals lilac-blue. Pkt. 10c.

## BALLOON VINE

A pretty, rapid-growing climber. Flowers white, followed by balloon-like seed pods. Pkt. 10c; oz. 30c.



SUPERB ASTERS





BALSAM

### CANTERBURY BELLS

**CAMPANULA MEDIUM.**—A very pretty perennial, popular and well known. Double and single mixed colors. Pkt. 10c.

### CANARY BIRD FLOWERS

A climber of delicate, finely-cut foliage and curious bright-yellow flowers, resembling the canary bird. Pkt. 10c; oz. 25c.

### CARDINAL CLIMBER

A hybrid of Cypress Vine and Morning-glory. Grows 20 to 30 feet high. Bright cardinal flowers. Pkt. 10c.

### CENTAUREA

**CYANUS DOUBLE.**—A most charming form of cornflower or Ragged Sailor. Pkt. 5c;  $\frac{1}{4}$  oz. 20c; oz. 40c.

**GYMNOCARPA (Dusty Miller).**—The foliage of this variety is finely cut and silvery. Pkt. 10c;  $\frac{1}{4}$  oz. 40c; oz. \$1.00.

**AMERICANA.**—The giant of the Centaureas. Flowers are four inches across and bloom a long time. Pkt. 10c.

**IMPERIALIS MIXED.**—Improved Sweet Sultan; long stemmed, graceful blossoms, deliciously fragrant. Pkt. 10c;  $\frac{1}{4}$  oz. 25c; oz. 80c.

### CANNA

**FANCY LARGE FLOWERED.**—Very large flowering, dwarf varieties  $3\frac{1}{2}$  feet high. Mixture of finest flowering sorts. Pkt. 10c; oz. 30c.

### CARNATION

Finest of the Dianthus or Pink family. Very fragrant. Our seed unsurpassed.

**DOUBLE EXTRA MIXED.**—Pkt. 10c.

**MARGUERITE.**—Plants succeed in open garden and are of vigorous, dwarf, erect growth. Colors, markings, shading wonderful. Pkt. 10c.

### CELOSIA

**SPICATA.**—A wonderful new variety of Celosia about  $2\frac{1}{2}$  feet in height and producing spikes of flowers of a bright rose color, when opening changing to silvery white. Pkt. 10c.

**OSTRICH FEATHER.**—Has beautifully curled plumes of various colors. Pkt. 5c.

### COCKSCOMB

**GIANT EMPRESS.**—The Empress is the finest and most gorgeous variety; not uncommon for the heads to measure twelve inches in breadth. Purple combs and dark-brown foliage. Pkt. 10c.

**ALL VARIETIES MIXED.**—Pkt. 10c.

### BALSAM

A most beautiful annual. Flowers are most brilliantly colored. Large and double.

**PEERLESS MIXED.**—A mixture of best strains. Flowers are double and all colors. Pkt. 10c; oz. 60c.

### SCARLET RUNNER BEAN

A valuable climbing bean, having bright scarlet flowers and pods. Very showy as a climber; also valuable for table use. Pkt. 10c;  $\frac{1}{4}$  lb. 20c; lb. 60c.

### BRACHYCOME

Also called "Swan River Daisy." Covered during summer with a profusion of flowers. Blue and white. Pkt. 5c.

### BROWALLIA

**GRANDIFLORA.**—Most beautiful of all Browallias. Form dense little bushes, covered with abundance of delightful sky-blue flowers. Pkt. 10c.

### BRYANOPSIS

A splendid climber with pretty cherry-like green fruits which change to bright scarlet, striped with white. Pkt. 10c; oz. 40c.

### BUTTERFLY FLOWER

This large-flowering variety of Schizanthus challenges the rare orchids in beauty. Easily grown. Pkt. 5c.

### BURNING BUSH

One of the very best annual border or hedge plants, so symmetrical in form

that plants look like they had been clipped. Turn vivid red in the fall. Easily grown. Pkt. 5c;  $\frac{1}{4}$  oz. 20c; oz. 50c.

### CACALIA

**COCCINEA.**—Sometimes called Tassel Flower or Flora's Paint Brush. Pkt. 5c.

### CALENDULA

Belongs to Marigold family. An annual of the easiest culture.

**ORANGE KING.**—Compact double flowers of bright orange color. Very beautiful. Pkt. 10c.

**FINE MIXED.**—Pkt. 5c;  $\frac{1}{4}$  oz. 10c; oz. 25c.

### CALLIOPSIS

Very showy. Two feet high. All shades of yellow, red, and brown. Double and single. Pkt. 5c;  $\frac{1}{4}$  oz. 10c; oz. 30c.

### COREOPSIS

**LANCEOLATA.**—Hardy perennial form of Calliopsis. Bright golden yellow. Blooms all summer. Pkt. 10c;  $\frac{1}{4}$  oz. 25c; oz. 75c.

### CAMPANULA

**CUP AND SAUCER.**—A beautiful variety, presenting form of cup and saucer, hence its name. Perennial. Mixed colors. Pkt. 10c.

**SINGLE MIXED.**—A choice mixture of single sorts. Pkt. 5c.

**DOUBLE MIXED.**—Choicest seed from double varieties. Pkt. 10c.

### CHINESE WOOLFLOWER

**CELOSIA CHILDSII.**—A magnificent garden annual, producing numerous fluffy heads, resembling scarlet wool. If flowers are dried in a dark place they will retain their rich, scarlet color all winter. Pkt. 10c;  $\frac{1}{4}$  oz. 60c.



### CANDYTUFT

Easy to cultivate and blooms profusely. Hardy annual one foot high.

**GIANT EMPRESS.**—Covered with pure white, fragrant flowers. Fine edging. Pkt. 10c.

**CRIMSON.**—Companion to Giant Empress, and will be appreciated because of its unusual color. Pkt. 10c.

**BEST MIXED.**—Mixture of all varieties and colors. Pkt. 5c;  $\frac{1}{4}$  oz. 15c; oz. 40c.

### CLARKIA

A very pretty and desirable hardy annual. Flowers are white, red, purple, etc., borne in profusion during summer. Single and double mixed. Pkt. 5c.



## COBAEA SCANDENS

A magnificent climber of rapid growth and beautiful blue flowers. Pkt. 10c;  $\frac{1}{4}$  oz. 50c.

## COSMOS

A magnificent race of plants, growing about 4 to 6 feet high, and in fall literally covered with graceful flowers resembling single dahlias, but better for cutting. Easily raised from seed if sown early.

**LADY LENOX.**—Beautiful light-pink flowers of extra-large size. Pkt. 10c;  $\frac{1}{4}$  oz. 20c; oz. 50c.

**EARLY DAWN MIXED.**—Is early, coming into bloom about two months from time of sowing and continuing until frost. Mixed colors. Pkt. 10c;  $\frac{1}{4}$  oz. 20c; oz. 60c.

**MAMMOTH PERFECTION.**—Flowers double the size of the early flowering cosmos. Quite late. Pkt. 10c;  $\frac{1}{4}$  oz. 20c; oz. 45c.

## CYPRESS VINE

A beautiful, rapid climber with delicate dark green foliage and an abundance of star-shaped scarlet and white blossoms. Mixed colors. Pkt. 5c; oz. 40c.

## DAHLIA

The dahlia is well known, but few are aware that if the seed is sown early in the spring they will bloom the first year.

**DOUBLE MIXED.**—Our seed is saved from large double flowers. Pkt. 10c.

## DAISY

**BEST DOUBLE MIXED.**—Low-growing sorts for massed beds or borders. Known as English Daisies. Pkt. 10c.

**AFRICAN GOLDEN.**—This showy annual comes from South Africa. Blossoms 2 to 3 inches in diameter. A peculiar, rich, glossy color. Pkt. 10c.

## SHASTA DAISY

**ALASKA.**—The best of the Shasta Daisies. Pkt. 10c.

## DELPHINIUM (Perennial Larkspur)

The delphiniums are deservedly among the most popular perennials. If sown very early they will bloom the first year, or may be sown the first of August and will make fine plants for next year's flowers.

**BUTTERFLY.**—A distinct variety, growing about 18 inches high, with fine, feathery foliage. Large blossoms of intense gentian blue. Pkt. 10c.

**GOLD MEDAL HYBRIDS.**—The finest strain with immense spikes of large flowers. Many colors. Pkt. 25c.

## DIANTHUS

Dianthus or Chinese Pinks furnish abundance of gay and pretty flowers until frozen.

**ORIENTAL OR JAPANESE MIXED.**—Markings and colors are rich and brilliant. Striped, blotched, and banded. Colors range from white to deep crimson and maroon and produce profusely and continuously. Pkt. 10c;  $\frac{1}{4}$  oz. 30c; oz. 80c.

**FIREBALL.**—Very beautiful. Flowers are perfectly double and color a rich, velvety blood red. Pkt. 10c.

**SNOWBALL.**—Fit companion to above. Pkt. 10c.

**DOUBLE DIADEM PINK.**—A superb, large double flower. Magnificent in color. Pkt. 10c.

## DOLICHOS (Hyacinth Bean)

**MIXED COLORS.**—A rapid-growing annual climber, flowering freely in clusters, followed by ornamental pods. Pkt. 5c; oz. 15c.

**DAYLIGHT.**—Pure white. Pkt. 10c; oz. 30c.

**DARKNESS.**—Both flowers and seed pods are a purplish red. Pkt. 10c; oz. 30c.

**DWARF WHITE.**—Bush form of well-known Hyacinth bean. Blossoms similar in appearance to Sweet Pea, but borne on long racemes. Pure white and very lovely. Pkt. 10c; oz. 30c.

## ELECTRIC LIGHT PLANT

A sturdy, bushy plant of about 4 feet, covered constantly with large spikes of flowers, which are pure white at base and range from rose to bright red at top. Showy and ornamental. Pkt. 10c;  $\frac{1}{4}$  oz. 25c; oz. 75c.

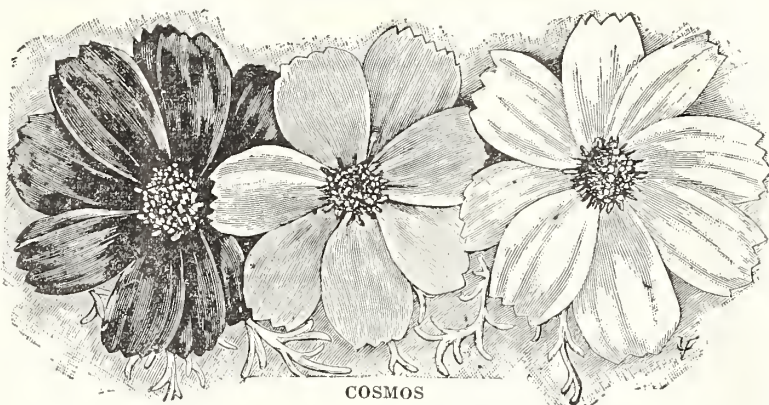
## ESCHSCHOLTZIA

(California Poppy.)—Easy to grow, brilliant in color.

**CRIMSON.**—Flower bright crimson. Pkt. 10c.

**GOLDEN WEST.**—A giant flower of rich, golden-yellow color. Pkt. 10c;  $\frac{1}{4}$  oz. 25c; oz. 50c.

**MIXED COLORS.**—Pkt. 5c;  $\frac{1}{4}$  oz. 10c; oz. 35c.



## EUPHORBIA

**VARIEGATED.**—"Snow on the Mountain." Foliage ornamental, veined and margined white. Pkt. 5c.

## FOXGLOVE

A showy perennial, easily grown. Always pleases.

**GLOXINIA FLORA.**—The largest flowers. Exquisite colors. Pkt. 10c.

## FOUR O'CLOCK

(Mirabilis)—Marvel of Peru. A most brilliant, showy annual. Much used for ornamental hedges.

**MIXED COLORS AND VARIETIES.**—A fine assortment. Pkt. 5c; oz. 20c.

## GAILARDIA

(Blanket Flower)—Exceedingly beautiful annuals. Very showy plants, 1 to 2 feet high.

**PERFECTION.**—A double flower, round as a ball. In most varied and pleasing colors. Pkt. 10c;  $\frac{1}{4}$  oz. 20c; oz. 50c.

**GRANDIFLORA.**—This is the perennial variety, with very large flowers, dark crimson centers, marked with rings of brilliant colors. Pkt. 10c;  $\frac{1}{4}$  oz. 20c; oz. 50c.

## GERANIUM

**GOOD VENTURE.**—Easily raised from seed. It is fun to watch the little seedlings grow into large geraniums. Pkt. (about 40 seeds), 15c.

## GLOBE AMARANTH

**MIXED COLORS.**—Popularly known as "Bachelor Buttons." Many colors. Pkt. 5c;  $\frac{1}{4}$  oz. 15c; oz. 40c.

## GODETIA

Handsome, showy annual about one foot high, of dwarf, compact growth. Bear freely. Exquisite colors. Pkt. 5c.

## GOURDS—ORNAMENTAL MIXED

A mixture of the odd-shaped and fancy-colored sorts. Pkt. 5c; oz. 25c.

## GRASS PINKS

**DOUBLE CLOVE PINKS.**—A fine type of the pretty clove-scented flowers, so much loved by our grandmothers. Colors range from pure white to dark red. A hardy perennial. Pkt. 10c;  $\frac{1}{4}$  oz. 35c.

## GYPSOPHILA

Sometimes called "Baby's Breath."

**ELEGANS.**—Mixed colors. Pkt. 5c.

**PANICULATA.**—White. Hardy perennial. Pkt. 10c.

## HELIOTROPE

**CALIFORNIA MAMMOTH.**—A grand variety, producing immense flowers. Pkt. 10c.

## HELICHRYSUM

Very pretty and popular, bearing large double flowers of different shades and colors. Retain their form and color many months. Particularly useful in winter decoration. Monster mixed. Pkt. 10c;  $\frac{1}{4}$  oz. 25c; oz. 50c.

## HIBISCUS

**MEHAN'S MARVEL MALLOW.**—Produces wonderful flowers 8 to 10 inches in diameter. Colored from pure white to fiery red. Splendid for permanent planting. Pkt. 10c;  $\frac{1}{4}$  oz. 40c; oz. \$1.00.

**GOLDEN BOWL.**—Enormous flowers, 5 to 6 inches across. Canary color with large, black center. This variety is an annual and does not live over winter. Pkt. 10c.



## HOLLYHOCKS

**EVERBLOOMING ANNUAL.**—Sown in the open ground in April, it blooms in August. Colors varied. Double, semi-double, single. Pkt. 10c;  $\frac{1}{4}$  oz. 35c; oz. \$1.00.

**CHATER'S PRIZE DOUBLE MIXED.**—Magnificent double flowers 3 to 4 inches across. Of the brightest colors. Flowers beautiful and perfect, massed completely around spikes. A mixture of all colors. Pkt. 10c;  $\frac{1}{4}$  oz. 50c; oz. \$1.25.

We can also supply Chater's Prize Hollyhocks in separate colors: White, pink, yellow, scarlet, or maroon, as preferred. Pkt., any one color, 10c.

## ICE PLANT

A handsome and curious plant for hanging baskets, rockwork and vases. The leaves and stems appear as though covered with crystals. Pkt. 5c.

## JOB'S TEARS

Produces beautiful seeds, about one-fourth inch in diameter, which are used like beads in fancy work. Grows 2 to 3 feet high with broad leaves. Pkt. 5c; oz. 15c.

**JOB'S TEARS FOR FANCY WORK.**—We also offer, in quantity at a low price, seeds of glossy pearl color, which are used for necklaces, basket and raffia work, and in strings for portieres. Not sold for germination.  $\frac{1}{4}$  lb. 35c; lb. \$1.00.

## KUDZU VINE (Jack and the Beanstalk)

Hardy, very rapid-growing vine. Pkt. 10c.

## LARKSPUR

**AMERICAN BANNER.**—The only flower we know of which combines the national colors—

**KING THEODORE.**—The "black" nasturtium; deep velvety crimson. Pkt. 10c; oz. 30c.

**RUBY.**—Bright and brilliant carmine color. Profuse bloomer. Pkt. 10c; oz. 25c.

**VESUVIUS.**—Bright salmon pink, veined deep orange. Brightest shade in list. Pkt. 10c; oz. 30c.

**IMPERIAL MIXED.**—Mixed by us from best-named varieties. Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 60c.

### TALL VARIETIES

**FIRELIGHT.**—Brilliant cardinal red. Brightest and most attractive color. Pkt. 10c; oz. 30c.

**MIDNIGHT.**—Dark-brownish red; profuse bloomer. Fine in mixed beds. Pkt. 10c; oz. 30c.

**MOONLIGHT.**—Pale straw or lemon yellow. A delicate soft shade. Pkt. 10c; oz. 25c.

**SUNLIGHT.**—Rich brilliant yellow color. Crinkled flowers of immense size. Pkt. 10c; oz. 30c.

**TWILIGHT.**—Lovely delicate flower of salmon rose or pink. Pkt. 10c; oz. 25c.

**CAPRICE.**—Changing colors, often a dozen different shades on a plant. Pkt. 10c; oz. 35c.

**TALL VARIETIES MIXED.**—The best mixture of tall nasturtiums we can make. Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 60c. Our packets are filled so as to be worth while planting.

**BRILLIANCY NASTURTIUM COLLECTION—13 Varieties, 13 Colors—Both Dwarf and Climbing Kind.**—The finest collection we have ever offered. 13 varieties, 1 pkt. each, 60c; 13 varieties, 1 oz. each, \$1.50, postpaid.



HOLLYHOCKS

## MORNING-GLORIES

**IMPERIAL JAPANESE.**—Remarkable for the large size and exquisite colors of the flowers. Vines grow quickly to a height of twenty feet. Colors, shadings and markings really wonders of nature. Single. Pkt. 10c; oz. 25c.

**FRINGED JAPANESE.**—Odd, yet attractive appearance. Similar in size and coloring to the Imperial strain. Pkt. 10c; oz. 30c.

**IMPROVED CLIMBING.**—The regular Morning-glory. Our mixture is made up of separate colors and is superb. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c.

**BRAZILIAN.**—One of the most luxuriant plants ever grown. With immense leaves and flowers. Pkt. 10c; or. 25c.

## MYOSOTIS (Forget-Me-Not)

**VICTORIA.**—The best variety for pot culture. Of dwarf, globular habit. Beautiful sky-blue flowers with center double. Pkt. 10c.

## NASTURTIUMS

### DWARF VARIETIES

**AURORA.**—Deep chrome yellow, blotched and veined purplish carmine. Pkt. 10c; oz. 20c.

**BEAUTY.**—Scarlet-splashed canary yellow. A fine variety. Attractive flower. Pkt. 10c; oz. 30c.

**CHAMELEON.**—Crimson, gold and bronze, bordered and flamed. Pkt. 10c; oz. 30c.

**EMPRESS OF INDIA.**—Dark purplish leaves and brilliant scarlet flowers. Pkt. 10c; oz. 30c.

**GENERAL JACQUEMINOT.**—Named for the rose; flowers bright crimson scarlet. Pkt. 10c; oz. 25c.

red, white, and blue—in each flower. It grows about two feet, and is fairly loaded with long spikes. Double striped and blotched flowers. Pkt. 10c.

**DWARF ROCKET.**—Grows about two feet in height. Mixed colors. Pkt. 5c;  $\frac{1}{4}$  oz. 15c; oz. 40c.

**TALL ROCKET.**—Three or four feet high. Pkt. 5c;  $\frac{1}{4}$  oz. 15c; oz. 40c.

## LINUM

**GRANDIFLORA RUBRUM (Scarlet Flax).**—A showy annual. Crimson scarlet flower. Pkt. 5c;  $\frac{1}{4}$  oz. 15c; oz. 50c.

**PERENNIAL.**—A beautiful, hardy perennial. Blooms constantly. Delicate blue flowers. Pkt. 10c.

## LOBELIA

**ERINUS.**—Handsome, trailing annual. Flowers blue. Fine in vases and hanging baskets. Pkt. 10c.

**COMPACTA.**—The upright growing variety. Pkt. 10c.

## MARIGOLD

**PRIDE OF THE GARDEN.**—We have selected these until the choicest only are contained in this strain. Pkt. 5c;  $\frac{1}{4}$  oz. 15c; oz. 40c.

**DWARF FRENCH.**—Double mixed. Pkt. 5c;  $\frac{1}{4}$  oz. 15c; oz. 40c.

## MIGNONETTE

**MACHET.**—Distinct variety of great merit. Vigorous dwarf growth with very large spikes of deliciously scented red flowers. Pkt. 5c;  $\frac{1}{4}$  oz. 15c; oz. 50c.

**SWEET SCENTED.**—Mixed colors. Pkt. 5c; oz. 25c.

## MOMORDICA

Commonly known as Balsam Apple and Balsam Pear. Pkt. 10c; oz. 40c.

## MOONFLOWER

**WHITE.**—One of the grandest summer climbers, growing 25 to 40 feet high, and covered nightly and dull days with beautiful flowers from 5 to 6 inches in diameter. Fragrant. Pkt. of 6 seeds 10c; oz. 50c.

**BLUE.**—In striking contrast to the true White Moonflower. Pkt. 10c; oz. 50c.



NASTURTIUMS





PANSIES

**PHLOX DRUMMONDI**

If we could have but one flower for our garden, that one would be the Phlox. A brilliant, almost dazzling show; continual bloom.

**FIREBALL.**—Brilliant, dazzling scarlet, dwarf and compact. Pkt. 10c; ¼ oz. 50c; oz. \$1.50.

**SNOWBALL.**—Fit companion for Fireball. Color pure white. Pkt. 10c; ¼ oz. 50c; oz. \$1.50.

**GRANDIFLORA MIXED.**—Large-flowering strain. Our Phlox field was certainly a marvel of color all summer. Visitors would sometimes try to count the different colors, but the variations were so many some one would always find one more. Pkt. 10c; ¼ oz. 40c; oz. \$1.25.

**POPPIES**

**DOUBLE SHIRLEY.**—An entirely new and distinct Poppy, originated by us. It is a true Shirley or satin poppy, but the flowers are a beautiful double, which greatly enhances their beauty. As hardy and robust as the single. You will be pleased with it. Pkt. 15c.

**AMERICAN FLAG.**—Flowers are extra large, very double, snow-white, bordered with scarlet. Very showy variety. Pkt. 5c.

**DOUBLE CARNATION.**—Splendid assortment of best double carnation-flowered sorts. Pkt. 5c; ¼ oz. 15c; oz. 40c.

**SANTA ROSA MIXED.**—Improved Shirley poppy. Pkt. 5c; ¼ oz. 25c; oz. 75c.

**ANNUAL VARIETIES MIXED.**—Single and double. Pkt. 5c; ¼ oz. 15c; oz. 50c.

**PERENNIAL POPPIES**

**ORIENTAL HYBRIDS.**—For brilliancy nothing equals these. Flowers enormous size. Hardy. Pkt. 20c.

**ICELAND.**—Colors purest white to deepest orange scarlet. Pkt. 10c.

**PORTULACA**

**GRANDIFLORA SINGLE MIXED.**—Also known as rose moss. Pkt. 5c; ¼ oz. 25c; oz. 75c.

**DOUBLE MIXED.**—These old favorite flowers are double as a rose, brilliant with many shades of color. Pkt. 10c; ¼ oz. 75c.

**PYRETHRUM**

**GOLDEN FEATHER.**—Beautiful golden-leaved foliage plants. Per pkt. 10.

**ROSEUM HYBRIDUM.**—Painted daisies. Always please. Hardy perennial. Pkt. 10c.

**RAINBOW CORN**

(Striped Japanese Maize).—Pkt. 5c; oz. 15c; lb. \$1.50.

**RHODANTHE**

**MIXED COLORS.**—For winter bouquets. Pkt. 10c.

**STATICE**

(Sea Lavender).—Colors blue, yellow and white. Pkt. 10c.

**PANSIES**

Pansies are a specialty with us, and we use the greatest care in growing and importing the best strains. Packets contain 100 to 125 seeds. Directions for growing pansies will be mailed free on request.

**PRETIOSO.**—A new strain. Contains the widest range of colors, most diversified markings, and velvety substance. They are large, fine blooms, satiny finish, brightest colors which really shine with lustre. Pkt. 10c; ¼ oz. \$2.00; oz. \$6.00.

**AMERICAN GIANT.**—This strain is of strong, robust, luxuriant growth and produces immense flowers. Grown expressly for us by a careful and enthusiastic pansy specialist. Pkt. 15c; ¼ oz. \$3.00; oz. \$8.00.

**MASTERPIECE.**—Distinct in form of flowers, the border of every petal undulated and curled. Flowers are very large. Pkt. 10c.

**GIANT TRIMARDEAU.**—Flowers of very large size. Each flower marked with three blotches or spots and stands well above foliage. Choice mixed colors. Pkt. 10c; ¼ oz. \$2.00; oz. \$6.00.

**SEPARATE COLORS.**—We can furnish Giant Flowered Pansies in the following separate colors: white, blue, yellow, red or black. Pkt. any color, each 10c; oz. \$6.00.

**PENNISTEUM**

Commonly called Purple Fountain Grass. Pkt. 10c.

**PENTSTEMON**

**FINEST MIXED.**—Hardy perennial. Many spikes of Gloxinia-like flowers—crimson, white, rose, purple, etc. Pkt. 10c.

**SPLENDID PETUNIAS**

Visitors to our Seed Farm were constantly exclaiming about our field of Petunias. Everyone declared they had not seen such large and bright flowers in Petunias before.

**ROSY MORN.**—A beautiful new petunia of clear rosy pink. A lovely shade for solid beds. Splendid for window-boxes. Pkt. 10c; ¼ oz. \$1.00.

**GIANT FANCY.**—The flowers are exquisitely ruffled or fringed, and of enormous size. Unlimited varieties of colors, linings, blotchings, and stripings. Pkt. 25c.

**LITTLE PET (Howard's Star).**—Free blooming. Flowers have a distinct five-pointed star in the center. Pkt. 15c.

**INIMITABLE MIXED.**—Large flowers with clear, bright colors. We grow these on our own farm and know they will please you. Pkt. 10c; ¼ oz. 60c; oz. \$2.00.

**SWEET WILLIAMS**

**SINGLE MIXED.**—Pkt. 5c; ¼ oz. 20c; oz. 75c.

**DOUBLE MIXED.**—Flowerets double and full centered. Pkt. 10c; ¼ oz. 30c; oz. 75c.

**ANNUAL.**—Blooms the first year only. Pkt. 10c.

**STOCKS**

**PERPETUAL WHITE.**—Princess Alice or Cut and Come Again. Pkt. 10c.

**PERPETUAL MIXED.**—A mixture of colors. Pkt. 10c.

**EARLY LARGE FLOWERING DWARF.**—Pkt. 10c; ¼ oz. 40c; oz. \$1.00.

**SUNFLOWER**

**DOUBLE CHRYSANTHEMUM FLOWERED.**—Dwarf growing, 4 to 6 feet; beautiful double flowers. Pkt. 10c.

**GLOBE OF GOLD.**—Double, about 4 feet high. Branching stems. In bloom it seems a mass of golden yellow. Pkt. 10c; oz. 25c.

**EXCELSIOR BRANCHING.**—Useful for cut flowers. Pkt. 10c.

**RAINBOW SUNFLOWER.**—Colors range from primrose to dark red. Beautifully mottled. Pkt. 10c.

**PEERLESS MIXED.**—Pkt. 5c; oz. 15c.

**RICINUS (Castor Oil Plant)**

**CAMBODGIENSIS.**—Has large, palm-like leaves of darkest reddish maroon. Grows 7 to 8 feet. Pkt. 5c; oz. 25c.

**ZANZIBARENSIS.**—Grows to a height of 12 to 14 feet, with leaves 2 to 4 feet across. Pkt. 10c; oz. 25c.

**FIERY PLUME.**—Has fiery red spikes of flowers and seed pods very striking. Grows 8 to 12 feet. Pkt. 10c; oz. 20c.

**MIXED VARIETIES.**—Mixtures of the above and many other choice sorts. Pkt. 5c; oz. 10c.

**COMMON.**—The common Castor Bean. Pkt. 5c; oz. 10c; lb. 50c. Ask for price in quantity.

**SALPIGLOSSIS**

Plants about 18 inches high, bearing through the season large flowers 3 inches across, of beautiful colors.

**NEW VARIVEINED.**—Beautifully veined and mottled. Pkt. 10c.

**SALVIA**

**SPLENDENS.**—Brilliant scarlet. Grows 2 to 3 feet. One of the most satisfactory bedding plants. Pkt. 10c; ¼ oz. 75c.

**BONFIRE.**—Dwarf, compact, free-blooming sort. Much earlier than Splendens and brighter in color. Pkt. 10c; ¼ oz. 75c.

**SCABIOSA**

**LARGE FLOWERED MIXED.**—Handsome double flowers in variety of shades and colors. Splendid for bouquets. Pkt. 10c; ¼ oz. 20c. 1 oz. 50c.

**SENSITIVE PLANT**

Very pretty and curious plant, its leaves closing when touched. Pkt. 10c.

**SMILAX**

Specially valued for decorating and floral work all the year. Pkt. 10c.



## SPENCER SWEET PEAS

The distinguishing characteristic of the type is wavy-orchid-like appearance of the blossoms. They are strong, robust in growth, with extra-large flowers of exquisite, delicious beauty. If you want sweet peas for cut flowers, plant the Spencers.

**AMERICA.**—Ivory white with distinct stripes of bright crimson. Pkt. 10c; oz. 40c;  $\frac{1}{4}$  lb. \$1.25.

**BARBARA.**—Salmon color without markings or shading. Pkt. 10c; oz. 40c;  $\frac{1}{4}$  lb. \$1.25.

**ELFRIDA PEARSON.**—One of the largest flowers yet introduced. Color is pink, of a most lovely shade. Pkt. 10c; oz. 30c;  $\frac{1}{4}$  lb. \$1.00.

**FIERY CROSS.**—The standard is bright orange scarlet, while the wings are rich orange cherry shade. Pkt. 10c; oz. 40c;  $\frac{1}{4}$  lb. \$1.25.

**FLORENCE MORSE.**—Very delicate rose color, shaded a little darker pink at edges. Pkt. 10c; oz. 30c;  $\frac{1}{4}$  lb. \$1.00.

**KING MANOEL.**—Deep, rich maroon. Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00.

**KING WHITE SPENCER.**—The best white variety. Pkt. 10c; oz. 40c;  $\frac{1}{4}$  lb. \$1.00.

**PRIMROSE SPENCER.**—Finest quality of primrose shade. Pkt. 10c; oz. 30c;  $\frac{1}{4}$  lb. \$1.00.

**MASTERPIECE.**—Color is soft, pleasing lavender with wings of French grey. Pkt. 10c; oz. 30c;  $\frac{1}{4}$  lb. \$1.00.

**ROYAL PURPLE.**—The color is so rich that it will astonish with its beauty. Pkt. 10c; oz. 40c;  $\frac{1}{4}$  lb. \$1.25.

**SUNPROOF CRIMSON.**—A splendid crimson color. Will stand summer heat without fading. Pkt. 10c; oz. 30c;  $\frac{1}{4}$  lb. \$1.00.

**WEDGEWOOD BLUE.**—We give this preference among blue sorts. Pkt. 10c; oz. 40c;  $\frac{1}{4}$  lb. \$1.25.

**SPENCER MIXED.**—This is a choice mixture of the Spencer types and varieties. Contains many sorts not named in our list. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; lb. \$2.50.

**NITRAGIN.**—A preparation to use with Sweet Peas as well as garden peas and beans. Promotes early and rapid growth. Garden size, 25c, postpaid.

### DIVERSITY COLLECTION

12 Packets

12 Colors

One packet of each of the choicest Spencers, as named and described above. One packet of each \$1.00. One ounce of each \$3.00.

## VERBENA

Deservedly a universal favorite. A constant bloomer and has a sweet fragrance.

**NEW CENTURY MAMMOTH.**—The most beautiful colors, largest flowers and largest truss. More vigorous than the ordinary. Pkt. 10c;  $\frac{1}{4}$  oz. 35c; oz. \$1.25.

**CANDIDISSIMA.**—Large trusses of pure white flowers. Pkt. 10c;  $\frac{1}{4}$  oz. 35c.

**DEFIANCE.**—A true scarlet, large and extra fine. Pkt. 10c;  $\frac{1}{4}$  oz. 35c.

**BANNER BLUE.**—A fine blue. Pkt. 10c;  $\frac{1}{4}$  oz. 35c.

**BANNER VERBENA COLLECTION.**—Red, White and Blue. —One packet each of our national colors, 25c;  $\frac{1}{4}$  oz. of each \$1.00.

## WAHLENBERGIA

(Bell Flower.)—Beautiful large blue or white flowers. Pkt. 10c.

## WALLFLOWER

Greatly prized for their exquisite fragrance.

**EARLY FLOWERING.**—Double and single; mixed colors. Pkt. 10c.

## WISTARIA

One of the most popular hardy vines, climbing to a height of 50 feet or more. It is perennial and easily grown from seed. Pkt. 10c.



SWEET PEAS

**ROYAL PURPLE.**—Striking dark flower. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c.

**ROYAL ROSE.**—A most beautiful, clear rose. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c.

**IMPERIAL MIXED.**—Many of the best sorts carefully selected so as to get the proper proportion of each color in assortment. Grown separately and mixed afterward. Makes the choicest mixture ever offered. We are sure our customers will be pleased with them. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 65c; lb. \$2.00.

**GRANDIFLORA MIXED.**—This mixture is grown as a mixture in the field. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.50.

**EARLY FLOWERING MIXED.**—A new type of sweet peas which bloom much earlier than Grandiflora or Spencer kinds. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; lb. \$2.50.

**GRANDIFLORA COLLECTION.**—Twelve full-size packets. Twelve beautiful kinds, all different, all named. Postpaid 50c.

**PERENNIAL SWEET PEAS (Lathyrus).**—A very popular perennial variety and it should be more generally used. Mixed colors. Blooms second year. Pkt. 10c; oz. 60c.

## XERANTHEMUM

Free flowering and easily grown, making a handsome bed. All kinds mixed. Pkt. 10c.

## ZINNIA

**SPLENDOR.**—The largest and brightest zinnia ever produced. We have grown these on the home farm for some time. We have tried out all the various strains, grown both here and in Europe, and have found nothing finer than our stock. You will wonder at their size and clear colors. Pkt. 10c;  $\frac{1}{4}$  oz. 25c; oz. 75c.

**ELEGANS.**—The old standard zinnia. Good colors. Pkt. 5c;  $\frac{1}{4}$  oz. 15c; oz. 50c.

**PIGMY OR LILIPUT.**—Plants are small and of bushy growth. Beautiful little blossoms. Pkt. 10c.

## FLOWER SEED MIXTURES

**WILD GARDEN MIXTURE.**—Contains many surprises. Pkt. 5c;  $\frac{1}{4}$  oz. 10c; oz. 25c.

**LOW-GROWING ANNUALS.**—Flowers which grow less than one foot in height. Pkt. 5c;  $\frac{1}{4}$  oz. 15c; oz. 40c.

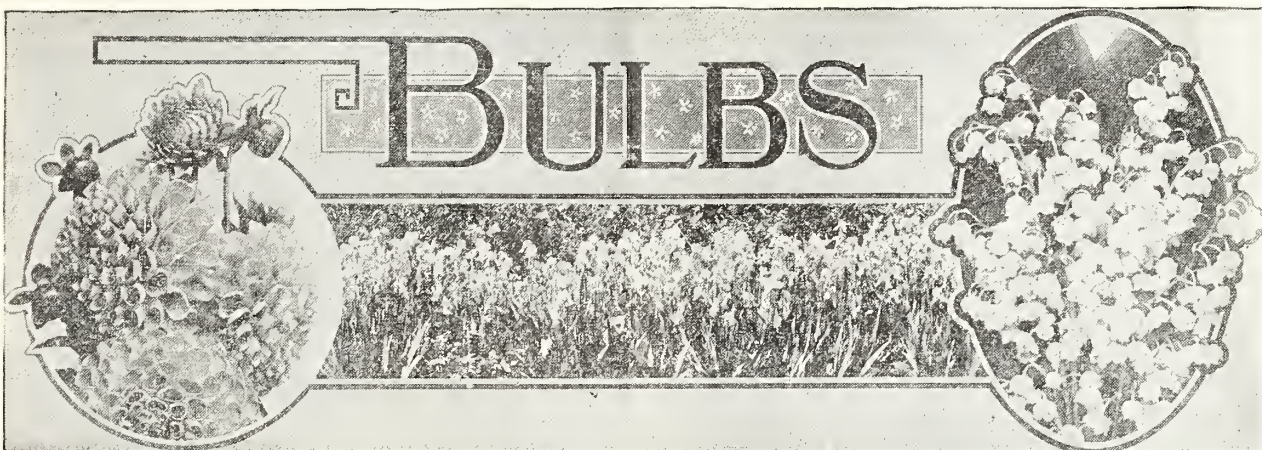
**FLOWERS FOR BOUQUETS.**—Pkt. 10c;  $\frac{1}{4}$  oz. 25c; oz. 75c.

**MIXED PERENNIALS.**—Pkt. 10c;  $\frac{1}{4}$  oz. 25c; oz. 75c.

**MIXED EVERLASTING (Straw Flowers).**—Pkt. 10c;  $\frac{1}{4}$  oz. 25c; oz. 75c.

**MIXTURE OF CLIMBERS.**—Pkt. 10c;  $\frac{1}{4}$  oz. 25c; oz. 75c.





We specialize in growing and propagating Hardy Plants and Bulbs as this class of plants always gives satisfaction, and having once secured them, they continue to grow and blossom year after year and are less care and worry than tender flower beds.



CANNA

CALADIUM

### AMARYLLIS

**JOHNSONII.**—Of strong, vigorous growth. Brilliant red flowers, with petals striped with white. Very fragrant and attractive. Each 50c.

**FORMOSISSIMA.**—(Jacobean Lily.)—Is of extremely rich, deep velvety crimson. Each 20c; 3 for 50c; dozen \$1.75.

### CALADIUM

**ESCULENTUM.**—(Elephant's Ear.)—A splendid tropical plant, growing 4 to 5 feet with immense leaves, often growing 3 feet long. Of easy culture. Large bulbs 35c; 3 for 95c.

### GLORIOUS CANNAS

These are the most showy and effective bedding plants. They have tropical appearing foliage and showy flowers, some of which are truly orchid-like.

**A. CROZY.**—Height 4 feet. Green foliage. Crimson scarlet with broad gold border. One of the most striking. Each 20c; dozen \$2.00.

**DAVID HARUM.**—Height about 3½ feet. A dark foliage variety with very large petaled flowers of intense vermilion scarlet. Each 20c; dozen \$2.00.

**EUREKA.**—Best white-flowered sort. Foliage green. Height 3 feet. Each 25c; dozen \$2.50.

**FLORENCE VAUGHAN.**—It is 5 feet high. Dark green foliage; yellow flowers, spotted with bright red. Each 15c; dozen \$1.50.

**GOLDEN GATE.**—A medium growing variety with green foliage and bright yellow flower. Each 20c; dozen \$2.00.

**KING HUMBERT.**—One of the grandest ever offered. Flowers extra large. Bright orange scarlet, streaked with crimson. Foliage is bronze. Strong grower. Height 4 feet. Each 20c; dozen \$2.00.

**PORTLAND.**—A new variety with deep warm pink flower of immense size. Green foliage. Height 3½ feet. A lovely type of great promise. Each 25c; dozen \$2.50.

**PRESIDENT.**—Three feet tall. Very profuse bloomer. Flowers bright red color. Green foliage. Each 35c; dozen \$3.00.

**RICHARD WALLACE.**—Height 4½ feet. Flower canary yellow. Dark green massive foliage and strong grower. Each 20c; dozen \$2.00.

**UNCLE SAM.**—Great large flower of orange scarlet. A striking variety. Height 6 feet. Green foliage. Each 25c; dozen \$2.50.

**WILLIAM SAUNDERS.**—Splendid large scarlet flowers in extra large clusters. Bronze foliage. Height 3½ feet. Each 20c; dozen \$2.00.

**WYOMING.**—Rich purple foliage. Great plumes of massive orange-colored blossoms. Seven feet. Each 20c; dozen \$2.00.

**QUEEN HELENE.**—Also called "Yellow King Humbert." Flowers are bright yellow, dotted red. Height 4 feet. Bright green foliage. Each 25c; dozen \$2.50.

**MIXED BEDDING CANNAS.**—Each 15c; dozen \$1.50.

### STATELY LILIES

Nothing can surpass the Lily in beauty, purity, delicacy and stately grandeur.

**AURATUM.**—(Japanese Gold-banded Lily.) This is justly entitled to the name given it, "The Queen of Lilies." Each 50c.

**SPECIOSUM RUBRUM.**—Flowers are white, with deep rosy or crimson band on each petal, with deeper colored spots between. Each 40c.

**SPECIOSUM ALBUM.**—The finest of the pure white, hardy perennial garden lilies. Has large white flowers of great substance beautifully recurved. Each 40c; 3 for \$1.00.

**WALLACE.**—A new lily of dwarf growth. Fine red flower. Fine red flower. Very hardy. Each 35c; 3 for 75c.

**UMBELLATUM.**—A very fine hardy garden lily of strong sturdy habit. Grows two or three feet high. Flower in June and July. Flowers are varying shades of red, sometimes spotted. Each 35c; 3 for 75c.

**DOUBLE TIGER LILY.**—A double form of the Tiger Lily. The flower is densely double, color orange red. Each 25c; doz. \$2.00.

**TIGRINUM SPLENDENS.**—The brilliant single-flowered form. Each 25c; doz. \$2.00.







## SELECT DAHLIAS

The Dahlia is one of the showiest of autumn flowers. Of the many varieties we have selected the following as of special value:

### DAHLIAS

**MAUD ADAMS.**—Color pure snow white. Show class. Each 40c; 3 for \$1.00.

**AMBASSADOR.**—Soft yellow at center, with salmon, amber and pink shading darker at tips. Each \$2.00.

**A. D. LIVONI.**—A splendid clear pink, beautifully quilled, and of perfect form. Free blooming. Each 30c; 3 for 75c.

**DREERS WHITE.**—A pure glistening white. Quilled flowers. Free blooming. Each 30c; 3 for 75c.

**D. M. MOORE.**—A new variety. Large, very dark maroon. Each 50c; 3 for \$1.25.

**ELSIE DAVIDSON.**—Giant flowering, deep golden yellow. Each 25c; 3 for 60c.

**FRANK A. WALKER.**—A charming shade of deep lavender pink. Each 30c; 3 for 75c.

**JACK ROSE.**—So named because color is like General Jacqueminot Rose. Each 25c; 3 for 60c.

**J. H. JACKSON.**—Gigantic size. A perfectly gorgeous, deep, velvety maroon. Each 30c; 3 for 75c.

**KREIMHILDE.**—Bright shining pink, shading to white at center. Each 30c; 3 for 75c.

**LIBELLE.**—A solid-color cactus Dahlia of fine form. Clear deep rose purple. Each 25c; 3 for 65c.

**MRS. I. DE VAN WARNER.**—Pleasing mauve pink. Large perfect form and a free bloomer. Each \$2.00.

**MRS. C. H. BRECK.**—Decorative full double flower, soft yellow deeply suffused with carmine. Each 50c; 3 for \$1.25.

**MILADY.**—Light pink with darker pink center; early free flowering. Each 30c; 3 for 75c.

**PINK LADY.**—A large, striking flower. Each 30c; 3 for 75c.

**QUEEN VICTORIA.**—Golden yellow. Blooms early. Each 25c; 3 for 60c.

**ROBERT BROOMFIELD.**—Pure white. Tall grower. Each 25c; 3 for 50c.

**ROSE PINK CENTURY.**—A single variety. A beautiful flower. Each 25c; 3 for 60c.

**SYLVIA.**—A lovely shade of mauve pink. Each 25c; 3 for 65c.

**STERN.**—Color a bright primrose yellow. Each 25c; 3 for 65c.

**VARIEGATED.**—An excellent flower; free blooming. Striped red and white in distinct contrast. Each 25c; 3 for 60c.

**SMALL RED.**—A free-flowering, compact red flower. Very hardy. Multiplies rapidly. Fine for cutting. Each 25c; 3 for 50c.

A mixture of good colors and different forms. Three for 50c; doz. \$1.50.

## PEONIES

For complete description of these see inside front cover page.

**ANDRIE LAURIES.**—Deep red, very prolific. Each 65c.

**GROVER CLEVELAND.**—Dark crimson, late. Each \$1.00.

**FELIX CROUSSE.**—Large globular, bright red. Each \$1.00.

**PRINCE IMPERIAL.**—Amaranthine red. Each 60c.

**GRANDIFLORA RUBRA.**—Largest red variety. Each \$1.00.

**RUBRA TRIUMPHANS.**—Satiny crimson, early, fragrant. Each 60c.

**FERN LEAF.**—Double rich crimson, earliest to bloom. Large, each \$5.00.; small, each \$3.50.

**FRAGRANS.**—Bright rose, very double, late. Each 50c.

**FLORAL TREASURE.**—Blush pink, very large double. Each \$1.00.

**HUMEIL.**—Cherry pink, silver tips. Each 50c.

**RUTH.**—Rich rose color, very fine. Each 75c.

**VICTORIA TRICOLOR.**—Rose and corn color. Each 50c.

**FESTIVA MAXIMA.**—Immense double white. Each 75c.

**MARIE LEMOINE.**—Blush, turning to white. Each 75c.

**QUEEN VICTORIA.**—Fine double compact flower. Each 65c.

## SINGLE PEONIES

**CURIOSITY.**—Bright rose and yellow, striking. Each 60c.

**MIKADO.**—Water lily peony, white, yellow stamens. Each \$1.00.

## CINNAMON VINE

Perfectly hardy, the stem dying every autumn, but growing again so rapidly as to completely cover any trellis or arbor very early in the season. Beautiful heart-shaped leaves. Clusters of delicate white flowers and delicious cinnamon odor. Large tubers postpaid for 15c; 2 for 25c; dozen \$1.25. Small bulblets 20c per dozen; 100 for \$1.00.

## HEMEROCALIS LILIES

This class of perfectly hardy lilies pleases everyone. Flowers are three to five inches across, of true lily form. Have long stems; fine for cutting.

**LEMON LILY.**—Has bright lemon color and lemon fragrance. Price 25c; \$1.50 per dozen.

**ORANGE LILY.**—Like above with deep rich orange color. Price 25c; \$1.50 per dozen.

**BUTTERCUP.**—Flowers more open. Rich golden color. Price 25c; \$1.50 per dozen.

**SOVEREIGN.**—The largest and tallest of all. Sure to please. 40c each; \$2.50 per dozen.

## MADERIA VINE

Also called Mignonette Vine and Mexican Vine. A beautiful tuberous-rooted climber. 10c each; 50c per dozen.

## OXALIS

Excellent for baskets, or for edgings in the garden.

**DEPPI ALBA.**—White 20c doz.; \$1.00 per 100. **DEPPI ROSEA.**—Pink. 20c doz.; \$1.00 per 100. **LASIANDRA** (tallest)—Red. 20c doz.; \$1.00 per 100.

## LILY OF THE VALLEY

Well known, universally admired. Nothing better for a shady spot where other flowers fail. 4 for 25c; 50c per dozen.



# GLADIOLI

Gladioli are today perhaps the most popular flowers in America. There is more enthusiasm over them than any flower since the craze about tulips in Holland a century ago. New varieties are being offered at fabulous prices. A hundred dollars or more for one bulb is not uncommon.

This enthusiasm is not without cause. When we consider the ease with which gladioli are grown, their striking and gorgeous beauty, their perfection as a bouquet flower or as a show flower in the garden, we must concede that their popularity is merited.

In and around Des Moines are found many acres of the Queen of Flowers.

The blossoms are sold by the florists of the city and at our city market. Some of the old reliable kinds have been selected for our lists.

If you want varieties not listed or planting stock of any variety, write us for price.

The lists for your convenience have been arranged according to the value of the varieties. The prices are for large blooming size stock. All will blossom and produce good spikes of flowers.

Order a collection and share their beauty with your friends.

All will blossom and produce good spikes of flowers. Order a collection and share their beauty with your friends. The following are still too rare to be sold at popular price, but you may want to get a start of them:

DIENER'S AMERICAN BEAUTY—Brilliant American beauty color. One spike opening a large number of flowers. Makes an immense bouquet. 50c each.

DR. F. E. BENNETT—The new orange-flame. Will replace any scarlet now grown commercially. \$1.00 each.

GLENDALE—Magnificent pink. 35c each.

GIANT NYMPH—Salmon; strong grower. Splendid. 35c each.

HENRY FORD—The most talked of Glad ever produced. More beautiful in color than Anna Eberius. Should be in every collection. \$1.00 each.

J. A. CARBONE—Sold in 1923 for \$50.00 a bulb. We have a large stock of it and recommend it to you. Flower is an orange salmon, very iridescent. Fine, long well-built spikes. \$1.00 each.

MRS. F. C. PETERS—The color is a beautiful shade of rose-lilac. Flowers of large size and many open at a time on a strong, perfectly straight stem. A very choice variety. 50c each.

MRS. LEON DOUGLAS—We believe the flowers to be the largest in Gladioli. A real wonder Glad. Rose-pink, striped with flame and scarlet. You surely want this one. \$1.00 each.

MRS. RICHARD LOHRMAN—Creamy shell pink. A color rivaling the finest orchid. Flowers are very large and edges heavily ruffled. Long, sturdy spikes. Wonderful for decorative purposes. A variety of indescribable beauty. 75c each.



Varities at 5c each or 50c per dozen:

- AMERICA—Large, soft lavender pink.
  - CHICAGO WHITE—Very early white.
  - CRACKERJACK—Dark, velvety red.
  - GRETCHEN ZANG—Tall spike, soft shade of pink. A beautiful cut flower.
  - HALLEY—A dependable early salmon pink.
  - MINNESOTA—A light tint, nearly white, with red markings.
  - MRS. AGNES WHITING—Primulinus—A soft, clear yellow.
  - MRS. FRANCES KING—Light scarlet. No new variety has yet taken its place.
  - PANAMA—Large, deep rose pink; none better.
  - PEACE—Tall, very strong growing; the best commercial late white.
  - WAR—Tall spike; blood-red flower; solid color.
- One each of the eleven listed above for 50c postpaid. Three each for \$1.35. Ten each for \$4.00.

List of varieties at 10c each, \$1.00 per dozen:

- ALICE TIPLADY—Prim.—Large flowering; brilliant orange saffron. Very popular and in strong demand.
  - ALTAIR—Primulinus—Bright saffron yellow.
  - AMES—Dark red; early.
  - ANNA EBERIUS—Dark, velvety purple; large flower set on tall spike. Greatly admired.
  - BARON HULOT—Deep violet blue; one of the best blues.
  - EVELYN KIRTLAND—Long straight spike; large pink flowers; one of the best.
  - IDA VAN—Intense, bright red.
  - LE MARECHAL FOCH—Large, early pink; one of the best.
  - MARY FENNEL—Lavender pink with primrose throat.
  - MRS. FRANK PENDLETON—Light pink, blotched red; long spike.
  - MYRA—A giant flowered primulinus. Deep salmon over yellow ground. Exquisite and showy.
  - NIAGARA—A good yellow; a favorite variety.
  - 1910 ROSE—Early bright rose pink.
  - PRINCE OF WALES—Very early; clear salmon with yellow throat; one of the most beautiful varieties; delicate.
  - PRISCILLA—Primulinus—Rosy salmon; large and ruffled.
  - E. J. SHAYLOR—Beautiful, pure, deep rose-pink; ruffled.
  - SUMMER—Bright purple or magenta.
- One each of the eighteen listed above for \$1.50. Three each for \$4.00. Ten each for \$12.00.

The following at 15c each; \$1.50 per dozen:

- AVALON—A prize-winning ruffled variety. Blush white. Most desirable.
- BYRON L. SMITH—Lavender pink on white ground. Most refined and attractive.
- CARMEN SYLVA—An Iowa production of great merit. The coming commercial white.
- DOROTHY WHEELER—Primulinus—Large rose-pink.
- ELORA—White with yellow and crimson throat.
- EMPRESS OF INDIA—Dark garnet, nearly black.
- FAIRFAX—Beautiful; strong grower; reddish purple flower.
- FLORA—Golden yellow; nearly self color. Extra large flowers on a tall straight spike.
- MAJESTIC—Orange pink; very early.
- MRS. DR. NORTON—Finest cream and pink. Always awarded the highest honors.

15c varieties (continued):

- MRS. W. E. FRYER—Brightest scarlet, heavily ruffled.
  - MURIEL—A beautiful light florists blue.
  - ROSE GLORY—Large ruffled, light pink flower.
  - SCARLANO—Light, bright orange red; darker throat; finely ruffled.
  - TOPAZ—Prim.—A beautiful exquisite salmon colored flower. One of the most beautiful primulinus hybrids yet produced.
  - TYRIAN BEAUTY—A beautiful, large flower, near "American Beauty" rose color; grand.
  - WELLINGTON—Large reddish purple, with lighter blotch. One each of the seventeen above for \$2.10. Three each for \$6.00. Ten each for \$18.00.
- New and rare varieties at 25c each; \$2.50 per dozen:
- COSTA RICA—Clear orchid; ruffled edge; large, fine spikes; very valuable variety.
  - ELF-WHITE, with Lemon Yellow Lip—A good grower and easy to cut. A commercial variety of great promise.
  - GOLD—An Iowa production, said by some to be equal of Golden Measure. A better propagator.
  - GOLDEN MEASURE—The best exhibition yellow; extra large flowers on tall spikes; an indispensable yellow.
  - JACK LONDON—Light salmon; one of the best commercial varieties; in large demand.
  - JEWELL—Prim.—Beautiful flower of clear salmon pink.
  - MING TOY—Prim.—The most beautiful of all Prim. Yellow, shaded to old gold. No collection should be without this flower.
  - MRS. E. H. BOTHIN—One of the loveliest combinations in Glads. It has created a sensation wherever shown. Light geranium pink, blotched throat, heavily ruffled.
  - ODIN—Early salmon pink.
  - ORANGE GLORY—Large orange yellow; ruffled.
  - PINK WONDER—Supreme among pink colors; very large.
  - PRIMUNELLA—Primulinus; ruffled orange pink.
  - ROSE ASH—Old rose blended with ash gray. Distinct and beautiful.
  - SCARLET PRINCEPS—A massive showy spike of large, bright colored flowers; an ideal landscape variety.
  - TITANIC—A blue-red; large and striking.
  - WHITE CITY—A new and purer white; lily-like flowers.
  - WHITE WONDER—Pure white, extra large flowers; well placed on robust stems.
- One each of the seventeen above for \$3.75. Three each for \$10.50. Ten each for \$30.00. Postpaid.

## MIXTURES OF GLADIOLI

- PRIMULINUS MIXED—These are usually shades of yellow, orange, salmon and pink. Each 5c; doz. 50c; 100 \$4.00.
- WHITE AND LIGHT MIXED—Each 10c; doz. 75c; 100 \$5.00.
- PINK MIXED—Each 10c; doz. 75c; 100 \$5.00.
- ALTOONA MIXED—Our finest mixture of large bulbs. Each 10c; doz. 75c; 100 \$5.00.
- ALTOONA MIXED—Second size. Each 5c; doz. 50c; 100 \$4.00.
- ELEGANT MIXED—A cheaper mixture of second size. Each 5c; doz. 25c; 100 \$2.00.
- MIXED BULBLETS—All varieties. Most of them will bloom second year. 1/4 lb. 35c; 1 lb. \$1.00, postpaid. (More than a thousand in a pound.)



# HARDY PERENNIAL PLANTS

These are all out-door, field grown and extra strong, clean, vigorous plants. Our price in most cases is 25c for single plant, as it costs us that amount for packing and mailing. You may, however, select six 25c plants for \$1.00 if they are to be sent to one address.

**ACHILLEA.**—Boule de Nieve. Like the Pearl but only ten inches high. Larger flower. Pure white color. Fine for cutting. Each 25c; doz. \$1.75.

**ACHILLEA.**—Millifolium Roseum. Finely cut deep green foliage. Bears a mass of bright pink flowers in umbels. Each 25c; doz. \$1.75.

**ANCHUSA.**—Italica. A fine blue flower for mass planting. Twenty to twenty-four inches tall. Each 25c; doz. \$1.75.

**ASTER.**—Perennial. A mass of white and blue flowers in late summer. Mixed colors only. Each 25c; doz. \$1.75.

**BLEEDING HEART.**—The old favorite blooms very early. A long chain of pendulous "hearts." Deep pink in color. Each 75c; 3 for \$2.00.

**CALIMERIS INCISIFOLIA.**—An unusual perennial with attractive foliage. Flowers July to September. Daisy-like flowers of white with yellow centers. Each 25c; doz. \$2.00.

**COLUMBINE.**—Aquillegia. A mixture of colors ranging from white to dark blue. Double and single. Mixture only. Each 25c; doz. \$1.75.

**COREOPSIS.**—A bright yellow flower. Fine for summer cutting. Each 25c; doz. \$1.75.

**CHINESE LANTERN PLANT,** or Scarlet Ground Cherry.—The large scarlet pods or "lanterns" are used for winter bouquets. Bunch of roots 25c; doz. \$1.75.

**CHRYSANTHEMUMS.**—Hardy outdoor varieties. Pink, red, white or yellow. Each 25c; doz. \$1.75.

**DAY LILY,** or Plantain Lily.—Fine for shady places. Blue variety. Each 25c; doz. \$1.75. White, each 50c; 3 for \$1.25.

**DELPHINIUM.**—Hardy larkspur.

*Belladonna.*—Light blue. Each 25c; doz. \$1.75.

*Bellamosa.*—Dark blue. Very fine. Each 25c; doz. \$1.75.

**Gold Medal Hybrids.**—Most flowers have two colors. No two just alike. Very fine indeed. Each 25c; doz. \$2.00.

**GAILLARDIA.**—Blanket flower. Large flowered type. Each 25c; doz. \$1.75.

**HELIANTHUS—MULTIFLORUS.**—Plenus. A perennial double sunflower. Blossoms about three inches in diameter. Double as a Dahlia. Color a golden yellow. About four feet high. Each 25c; doz. \$1.75.



**HOLLYHOCK.**—These old favorites have been greatly improved in recent years. Our stock is extra fine. We grow them in separate colors and can give you a fine assortment. Each 25c; doz. \$1.75.

**MALLOW.**—Mehan's Marvel. A hardy hibiscus. Colors are red, pink and white. In mixture only. Each 25c; doz. \$1.75.

**MONARDIA DIDIMA.**—Scarlet Bee Balm or Oswego Tea. Very striking color in late summer. Always attracts attention. Each 25c; doz. \$1.75.

**PANSY PLANTS.**—Not perennials, but these are outdoor grown plants from our American Grant seed. Order early before plants become too large to stand shipping. Doz. 60c; 4 doz. \$2.00, postpaid.

**PHLOX.**—True hardy varieties. We offer these only in splendid mixture this season. A fine range of colors. Each 25c; doz. \$2.00.

**ORIENTAL POPPY.**—Mammoth flowers of flaming scarlet. A true perennial. Each 40c; 3 for \$1.00.

**LINUM.**—Hardy flax, dainty blue flowers. Open fresh each morning. Blossoms all summer. Each 25c; doz. \$1.75.

**LYCHNIS.**—Heads of vivid scarlet flowers. Blossoms long and freely. Height three feet. Each 25c; doz. \$1.75.

**LYTHRUM.**—A splendid new flower, covered all summer with spikes of bright carmine flowers. Very hardy. Each 25c; doz. \$2.00.

**PHYSOSTEGIA.**—False dragon head. Not conspicuous but a beautiful flower. Long heads of white or delicate pink flowers. Each 25c; doz. \$2.00.

**PLATYCODON.**—Balloon flower. Flowers of blue and white. Flower is full sized before bud opens. Each 25c; doz. \$1.75.

**PYRETHRUM.**—Painted daisy. Shades of pink and red. Each 25c; doz. \$1.75.

**RUDBECKIA.**—Golden Glow. Tall, yellow flower of late summer. Fine for cutting. Six to eight feet. Blossoms August and September. Each 25c; doz. \$1.50.

**SEDUM SPECTABILIS.**—A giant live-for-ever with immense heads of amaranth red flowers. Fine for cutting. Each 25c; doz. \$1.75.

**YUCCA FILAMENTOSA.**—The Soap Root or Adam's Needle of the western plains. Leaves are green all winter. Flowers are bell-shaped and creamy white. Spike is often three or four feet high with two or three hundred flowers. Each 25c; doz. \$1.75.

**SAPONARIA.**—Bouncing Bet. A flower that is common in door-yards of many old places. Often desirable for its associations. Easy to grow. Each 25c; doz. \$1.50.

**SEA HOLLY.**—Leaf is blue green and low growing. Blossoms are burr-like and of unusual steel-blue color. Fine in mixed bouquets or plantings. Two feet tall. Each 25c; doz. \$1.75.

**SWEET WILLIAMS.**—Old favorites. Many colors, double and single. Each 25c; doz. \$1.75.

**VERONICA.**—Tall spikes of deep blue flowers. Blossoms in early summer. Very attractive. Each 25c; doz. \$1.75.

## GERMAN IRIS.

Perfectly hardy, and thrive anywhere. Blossom freely in late spring. Any of the following: each 25c; doz. \$1.75.

**CELESTE.**—Large open flower of pure celestial blue.

**FLAVESCENS.**—Light canary yellow.

**FLORENTINA.**—Very early; large; clear blue.

**GYPSY QUEEN.**—Standards, a rich cream yellow. Falls deep purple shaded with bronze.

**MADAM CHEREAU.**—Pearly white, edged with a broad margin of violet. Ruffled petals; very fine.

**MRS. NEUBRONNER.**—A fine new yellow variety. Deep golden yellow.

**PALLIDA DELMATICA.**—A beautiful lavender flower. This variety was catalogued over a hundred years ago. It is still the best in its class.

**PLUMERI.**—A clear wine-red color throughout. A peculiar shade in iris. Very attractive.

**PRINCESS VICTORIA LOUISE.**—Standards sulphur yellow. Falls rich plum color bordered cream.

**QUEEN OF MAY.**—A new sort of rosy lilac color with pink shading. A popular variety.

**SAN SOUCI.**—Unique color combination. Violet and yellow. Blossoms freely.

**SHAKESPEARE.**—Standard's light yellow; veined seal brown. Falls, deep carmine violet; a beauty.

**IRIS.**—Siberian. Leaves are narrow and deeper green than the German Iris. Flowers are open and borne on wiry stems like Japanese Iris. Mixed colors. White and blue. Each 25c; doz. \$1.75.

**IRIS.**—Pumila. Early flowering dwarf Iris. Not over six inches high. Fine for borders. Mixed. Each 25c; doz. \$1.75.





## SPRAYERS



**THE AUTO SPRAY NO. 9—Compressed Air Sprayer.**—Kept clean without difficulty. Diameter 7 inches. Height 2 feet. Capacity  $3\frac{1}{2}$  gallons. Shipping weight 15 lbs. Brass tank with "Auto Pop," \$9.00. Galvanized tank with "Auto Pop," \$6.00. Two foot brass extension rod, postpaid, 75 cents.

**HUDSON PERFECTION SPRAYER.**—Like above but larger tank. Recommended for whitewash or spray. Brass \$9.50; galvanized \$6.30.

**LEVER BUCKET SPRAY PUMP.**—Will not rust. Price, by express, \$6.00. Eight foot extension pipe (for use among large trees), by express, 75c. Mailing weight of pump 9 lbs.; of pipe 2 lbs.

**LITTLE GIANT BUCKET PUMP.**—Made by Myers. One of the best selling pumps. Handle attached direct to plunger. Price \$4.50.

**MODOC BUCKET PUMP.**—A Hudson pump. Has double acting brass cylinder. Operates like the Little Giant. \$4.50.

**AUTO NO. 5. Accordion or Standard Type.**—Place end of hose in bucket or barrel and pump will draw the liquid to nozzle end. Easy to clean. Five different types of spray. Price \$5.00.

**MYERS' BARREL SPRAY PUMP.**—A heavy brass cylinder barrel pump, for use in orchards and vineyards. It clamps onto the barrel so that it is rigid. The barrel can be set in a wagon or on a drag. It is equipped with 15 feet of hose and a graduated nozzle for either coarse or fine spray. Practically unbreakable and will last many years. Each \$14.00.

**HUDSON BARREL PUMP.**—Like above but made by Hudson Mfg. Co. Each \$14.00.

**SUNSHINE WHEELBARROW SPRAYER.**—A light weight two-wheel sprayer. Just the thing for garden and small fruit. Tank holds ten gallons. Equipped with hose and changeable nozzle. Price \$18.00.

**IMPROVED FAULTLESS OR "MISTY" SPRAYER.**—The spray nozzle protrudes through the tank, making it strong. Mailing weight 2 lbs. By express, brass \$1.25; galvanized iron 75c; tin 50c.

**THE CONTINUOUS FAULTLESS SPRAYER.**—Made in such a way that the action of the plunger forces a continuous fine mist spray and drawing back plunger does not stop the flow of the spray. Add postage. Mailing weight 2 lbs. By express, brass \$1.50; galvanized iron \$1.25; tin \$1.60.

**FAULTLESS POWDER SPRAYER.**—Made of tin, after the Faultless pattern. For use in applying Slug Shot, lime, paris green mixture or any powder form of insecticides. By express, not prepaid, 90c. Mailing weight 4 lbs.

**DUSTERS.**—Buckets with perforated bottom, used for applying Slug Shot or other forms of powdered insecticides. Very convenient and effective for the purpose. Each, by express, 50c. Mailing weight 1 lb.

## SPRAY MATERIALS

Poisons are not available. All items on this page go at customer's expense unless quoted postpaid.

**DRY LIME SULFUR.**—Sherwin-Williams Dry Lime Sulfur is true lime sulfur solution in dry powder form. It has all the advantages of the liquid material but eliminates the disadvantage. Price, 1 lb. 35c; 5 lbs. \$1.25; 10 lbs. \$2.00; 25 lbs. \$5.00.

**DRY POWDERED ARSENATE OF LEAD.**—It contains from 30 to 33% of Arsenic Oxide. It clings to the foliage for the longest possible time, which means effective control of insects. Price,  $\frac{1}{2}$  lb. 25c; 1 lb. 45c; 5 lbs. \$2.00.

**FUNGI-BORDO.**—Fungi-Bordo is a true Bordeaux mixture in dry powdered form. Price, 1 lb. 50c; 5 lbs. \$2.25.

**PESTROY.**—Pestroy is a combination Bordeaux mixture and Arsenate of Lead to save time and trouble. Price,  $\frac{1}{2}$  lb. 30c; 1 lb. 50c; 5 lbs. \$2.25.

**PARIS GREEN.**— $\frac{1}{4}$  lb. 15c; 1 lb. 45c; 5 lbs. \$2.00.

**NICO-FUME.**—A condensed preparation of tobacco. Forty per cent nicotine. Price, 4 oz. can 75c; 1 lb. \$1.25; 8 lbs. \$15.00.

**TUBER-TONIC.**—Dry powder. Is a combination of paris green, Arsenate of Lead and Bordeaux mixture. Has strong fungus preventive qualities. Price per lb. 50c; 5 lbs. \$2.25.

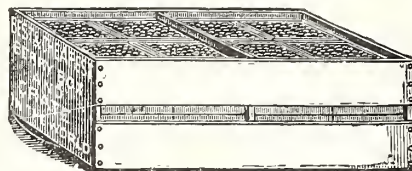
**BLACK LEAF 40.**—This is about 40% nicotine. Very powerful. Price, 1 oz. can 35c;  $\frac{1}{2}$  lb. \$1.25; 2 lbs. \$3.75.

**FUMIGATING AND DUSTING POWDER.**—Formerly sold under the name of Tobacco Dust. By express, 1 lb. 15c; 10 lbs. \$1.00; 100 lb. bag \$6.00.

**PYRETHRUM POWDER.**—The active ingredient of all insect powders. Kills cockroaches, ants and flies; harmless to animals.  $\frac{1}{4}$  lb. 40c; lb. \$1.50.

**WOLF'S GARDITE.**—Is a dry powder in a carton with perforated top, so that it is easily applied. Not harmful to human health. Price, 25c postpaid. Ask for price in quantity.

**HAMMOND'S SLUG SHOT.**—Destroys all kinds of insects injurious to trees, shrubs and plants. Poisonous to insects, but not to foliage. Lb. 25c; 5 lbs. 75c; 10 lbs. \$1.40.



## FRUIT GROWERS' SUPPLIES

**BERRY BOXES.**—Made of the best white wood, cut smoothly and perfect shape. Size  $4\frac{1}{4}$  by  $4\frac{1}{4}$  by  $3\frac{3}{4}$ . Price per 100 75c; 1,000 \$6.00. Weight 15 lbs. per hundred.

**PINT BOXES.**—Same as regular quart size except they are only 2 inches high. Price per 100 70c; 1,000 \$5.50.

**CRATES.**—Made of thoroughly seasoned wood, well ventilated at sides and bottom but with a tight cover to protect from dust. Shipped in the flat or knock down. Hold 24 quart boxes. Price per 10 \$3.00; per 100 \$27.50. Weight each 5 lbs.

**CRATES FOR PINT BOXES.**—24 pint size. Per 10 \$2.50; per 100 \$21.00. Weight  $3\frac{1}{2}$  lbs.

**FOLDING PAPER BERRY BOXES.**—Quart size. A handy box for small growers as no tacks or labor of making are required. Price per 100 \$1.20; per 1,000 \$10.00.

**BERRY BOX TACKS.**—Superior to common nails as they hold much better. Made of the very best Swedes Iron. 1 lb. (will make a thousand boxes) 45c; 5 lbs. \$2.00.

**STAPLING WIRE.**—To use with a stapling machine for making boxes. Per coil of 12 lbs. \$2.00.

**MAGNETIC TACK HAMMERS.**—Pick up the tacks and save much of the labor. Each 30c postpaid.

**SPHAGNUM MOSS.**—For packing plants and nursery stock. Per bale \$2.00.

**TREE PRUNER.**—Strong wooden handles 24 inches long. Powerful and effective. The best pruner where branches are within reach. Each \$1.75. Mailing weight 4 lbs.

**WATER'S TREE PRUNER.**—The standard make with six-foot pole \$2.00; 10-foot pole \$2.75. Cannot be mailed.

**IMPROVED HAND PRUNING SHEARS.**—Made especially for pruning grape vines, etc. Eight inches long. Straight spring. Price \$1.75.

**TWIN BRAND SHEARS.**—Best made; 8-inch \$2.00; 9-inch \$3.50.

**CONNECTICUT PRUNING SHEARS.**—A good tool for light work. Steel blades and spring, cast handles. Price \$1.00.

**TREE LABELS.**— $3\frac{1}{2}$ -inch. Copper wired. Per 1,000 \$3.25. Weight 4 lbs. 50c per hundred postpaid.

**POT LABELS.**—Smooth wood labels; 4-inch. Per 100 40c; per 1,000 \$2.40. 6-inch, per 100 60c; per 1,000 \$3.75. 10-inch per 100 \$1.25; per 1,000 \$9.00. Mailing weight—4-inch 4 lbs.; 6-inch 6 lbs.; 10-inch 10 lbs. per 1,000. Price per 100 is postpaid.

**PAPER FLOWER POTS.**—Made of heavy, strong, waterproof paper. Fine for growing vegetable plants, pansies, asters, etc. Prices:  $2\frac{1}{4}$ -inch \$1.00 per 100 postpaid; 3-inch \$1.30 postpaid; 4-inch \$2.00 postpaid. Not prepaid,  $2\frac{1}{4}$ -inch \$5.00 per 1,000; 3-inch \$8.00 per 1,000; 4-inch \$11.00 per 1,000. Weight 30 lbs. per 1,000.

**WIRE HANGING BASKETS.**—Are made of wire to be lined with moss and filled with dirt. They are light, strong and durable and have chain attached. Eight-inch size with enough moss to line it 50c each; 10-inch 60c; 12-inch each 75c postpaid.

**WIRE BRACKETS.**—This pattern is a very handsome bracket, made of tinned wire and easily put up. Simple, practical, durable. Price 25c each; \$2.00 per dozen postpaid.

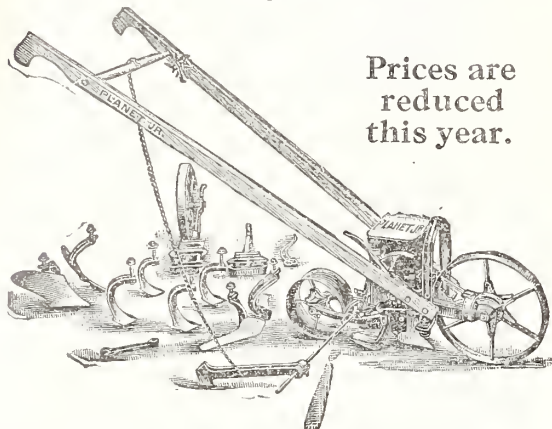
**SPRINKLERS.**—Made of pliable rubber with perforated cap. Holds about one pint. Handy for floral work and washing foliage of house plants. Each \$1.25 postpaid.

**FISH OIL SOAP.**—Usually called Whale Oil Soap. For plants infested by vermin, also used against fungus diseases and will keep trunks of trees free from borers. 1 lb. 50c postpaid.



# Tools and Implements

Send for Planet Jr. complete catalogue mailed free.



Prices are  
reduced  
this year.

**NO. 25 COMBINED SEEDER, DOUBLE AND SINGLE WHEEL HOE.**—This tool combines a first class hill-dropping seeder, a perfect drill seeder and when used as a cultivator it can be set up either as a double or single wheel hoe. Has steel frames and straddles crops until 20 inches high. Two acres a day can easily be worked, and when it is done, it will be a better job than several men could have done in the same time with hand hoes. The most complete of the interchangeable tools. Price \$21.50.

**PLANET JR. NO. 3 HILL AND DRILL SEEDER.**—A drill only. Style like No. 25. Price \$17.50.

**PLANET JR. NO. 12 DOUBLE WHEEL HOE.**—A double and single wheel hoe in one. Price \$10.75.

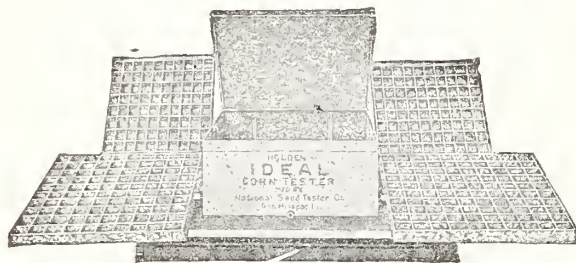
**PLANET JR. NO. 16 SINGLE WHEEL HOE.**—Has a great variety of attachments. Price \$9.00.

**PLANET JR. NO. 17 SINGLE WHEEL HOE.**—Same as No. 16 but has one pair 6-inch hoes, three cultivator teeth and large plow. Price \$7.75.

**PLANET JR. NO. 18 SINGLE WHEEL HOE.**—Same as No. 16 but has one pair 6-inch hoes only. Price \$5.75.

**PLANET JR. NO. 8 COMBINED HORSE HOE AND CULTIVATOR.**—Opens and closes furrows, hoes right up to the plants without danger of injury. Price \$17.50.

**PLANET JR. NO. 90 TWELVE-TOOTH HARROW AND PULVERIZER.**—Price \$18.00. **NO. 90-B (Less pulverizer)** \$14.75. The chisel-shaped teeth go deep or shallow, as you like.



**HOLDEN'S IDEAL CORN TESTER NO. 1.**—Made of galvanized iron. It is for testing ears of seed corn before shelling for seed. Capacity of this size, 400 ears (one to each compartment) and each compartment is removable at will. It is quite simple in operation and full directions for use will be sent with each tester. By express or freight, not prepaid, \$15.00.

**HOLDEN'S IDEAL CORN TESTER NO. 4.** A single box tester of galvanized iron; capacity 200 tests. By express or freight, each \$8.00.

**EUREKA POTATO PLANTER.**—The best hand potato planter that we know of as it does the work perfectly. Also plants beans and corn equal to any corn planter. Price \$1.50.

**EXCELSIOR WEEDING HOOK.**—Can be used to advantage among small and tender plants. By parcel post each 25c, dozen \$2.50; by express 20c; dozen \$2.25.



EUREKA POTATO PLANTER

**SEGMENT HAND CORN PLANTER.**—Operated with one hand. Drops as fast as you walk and you make it drop where you want it. You can also plant beans or peas. Price each, by express, \$2.00. Mailing weight 4 lbs.

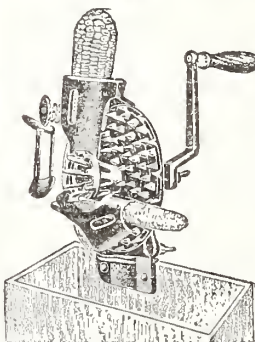
**LITTLE GIANT MOLE TRAP.**—Strong, durable and will do the work. Easily set. Has a strong spring with great force. Each by mail, \$1.50. By express, \$1.25.

**CONCAVE AND CURVED SEED POTATO KNIFE.**—Will pay for itself even if you have only a bushel of potatoes to cut. Allows the giving of each eye its full portion of the potato. Makes a clean, small cut. It is a pleasure to use it. 25c each postpaid.



LITTLE  
GIANT  
MOLE  
TRAP

SEGMENT CORN PLANTER



CYCLONE SEED SOWER

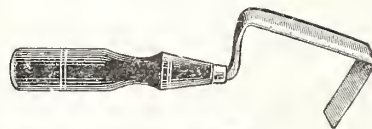
**STAR CORN SHELLER.**—A fine sheller for hand use. Has attachment for shelling tips and butts, making it desirable in seed corn. Also an extra attachment for shelling pop corn. Can be fastened on a box, throws cobs out the rear way from the shelled corn. Strong, well made and will last a lifetime. Each, by express, \$2.00. Weight 12 lbs.

**CYCLONE SEED SOWER.**—Farmers should have a small hand seed sower for emergency use. This is an improved style, strong, well made and durable. It is very easy to understand and easy to operate. Directions with each machine. By express, \$2.00. Mailing weight 4 lbs.

**GARDEN TROWELS.**—Postpaid, 5-inch 20c; 6-inch 25c.

**FLORIST TROWELS.**—Extra heavy and durable. Will last a lifetime. By parcel post, each \$1.10.

**HAZELTINE HAND WEEDER.**—It has five sharp edges. Each 35c, postpaid. Per dozen \$3.00, postpaid.



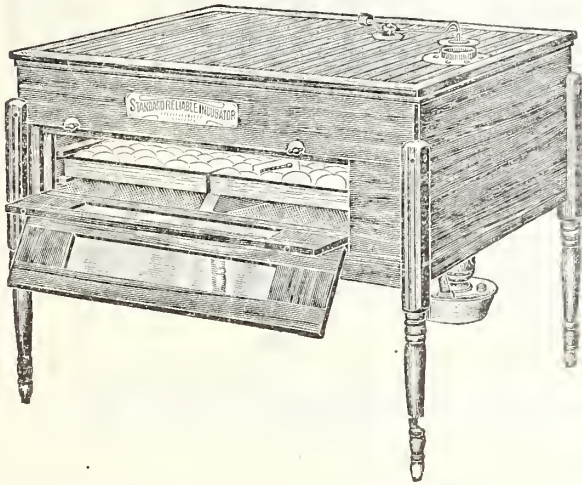
**LANG'S  
HAND  
WEEDER**  
HANDIEST  
TOOL  
ON EARTH.

**"LANG" HAND WEEDER.**—Is in our opinion the best; its special features a band which passes over the fingers, which, when the tool is not in use, gives full use of the hand for pulling weeds and thinning out plants without laying down the tool. Price 25c each, postpaid. By express, per dozen \$2.00.



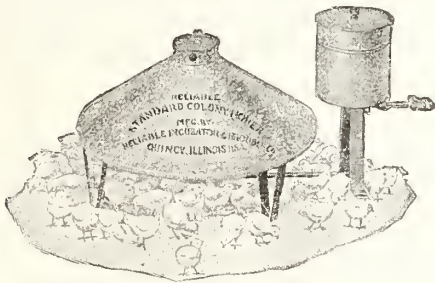
# POULTRY SUPPLIES

Prices are subject to important market changes. Transportation to be paid by purchaser except where marked postpaid.



## RELIABLE STANDARD INCUBATORS

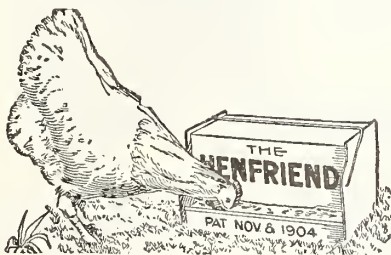
We have for several years offered to our customers the Reliable Standard Incubator because it has 42 years' history and stands at the head of the incubator list in the estimation of experienced poultrymen. Write for complete catalog and price list. It is free.



**BLUE FLAME OIL BURNING HOVER.**—Made by Reliable Incubator folks. It is safe and efficient. 300 chick size \$16.00; 500 chick size \$18.50; 1,000 chick size \$21.50.

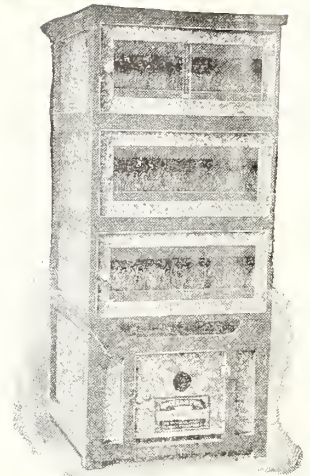
**STOVE HEATED BROODER.**—Complete with canopy. 500 chick capacity \$21.50; 1,000 chick capacity \$26.50.

**HEN FRIEND DRINKING FOUNTAIN.**—Galvanized iron. Easy to fill, clean and move. 2 qt. size 50c. Weight 2 lbs. 5 qt. size 75c. Weight 3 lbs. 10 qt. size \$1.00. Weight 5 lbs.

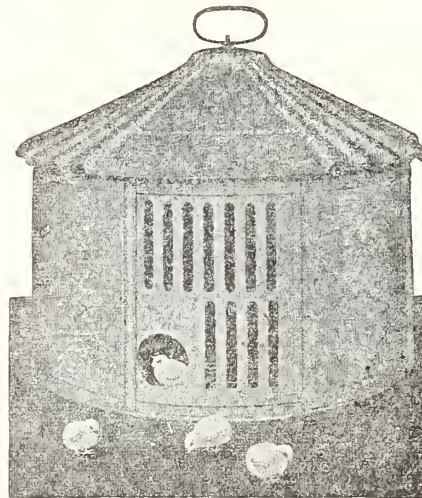


## GRAIN SPROUTER.

Made of galvanized steel in sections. Base and one section holding two trays. Holds ½ bu. \$12.00 Additional sections (2 trays) \$4.00 each.



SUCCESSFUL GRAIN SPROUTER



LUTHE BROOD COOP

## THE LUTHE BROOD COOP.

A round metal coop, made of galvanized iron, with sliding door which can be fastened open at desired size. Adjustable top for ventilation. Rat, mink, weasel, mite and rain proof. Size 22 inches in diameter, 19 inches high. Each \$2.25; dozen \$22.00.

**MODEL GRINDING MILL.**—To grind shell, grit, bone and grains. Easily adjusted to grind coarse or fine as desired. No. 1, each \$3.50; No. 2, each \$6.00.

## POULTRY REMEDIES

The Dr. LeGear line of remedies which we sell is a well proved line. We have not had a single dissatisfied customer. They are less trouble to use and somewhat cheaper than other lines. We recommend them. Sold with "Satisfaction or Money Back" guarantee.

**DR. LEGEAR'S POULTRY PRESCRIPTION** for many diseases of poultry. Helps make hens lay and keep poultry healthy. Used by poultry owners every fall and winter to get more eggs. 1½ lb. pkg. 25c; 3¼ lb. pkg. 50c; 9 lb. pkg. \$1.00.

**DR. LEGEAR'S ROUP REMEDY.**—An excellent remedy for roup and colds in poultry. 30c postpaid.

**DR. LEGEAR'S SORE HEAD REMEDY** for chicken pox in poultry. 30c postpaid.

**DR. LEGEAR'S HEAD LICE REMEDY.**—A reliable remedy for poultry. 30c postpaid.

**DR. LEGEAR'S COLD TABLETS.**—Two tablets to each quart of drinking water keeps poultry healthy. 30c postpaid.

**DR. LEGEAR'S CHICK DIARRHOEA TABLETS.** keep baby chicks healthy. 35c postpaid.

**DR. LEGEAR'S LICE KILLER** (powder) rids your poultry of lice, mites and vermin. 30c postpaid.

**DR. LEGEAR'S POULTRY BOWEL REGULATOR.**—For the prevention and treatment of many cases of loose bowels, diarrhoea, etc. 30c postpaid.

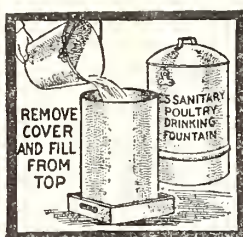




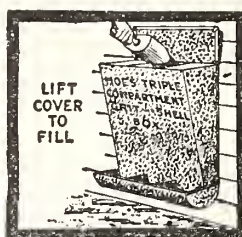
DRY FEED HOPPER



SANITARY FEED TROUGH



TOP FILL FOUNTAIN



GRIT AND SHELL BOX



STAR FOUNTAIN

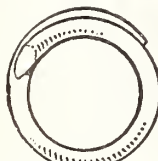
**MOE'S TOP FILL FOUNTAIN.**—Won't slop over. Dead air space keeps water cool in summer, warm in winter. By express, 1 gal. \$1.75; 2 gal. \$2.40; 4 gal. \$3.25. Mailing weights: 1 gal. 3 lbs.; 2 gal. 5 lbs.; 4 gal. 10 lbs.

**DRY FEED HOPPER.**—Three sizes: 12 qt. \$1.50, weight 8 lbs.; 17 qts., \$2.00, weight 9 lbs.; 25 qts. \$2.50, weight 14 lbs.

**SANITARY FEED TROUGH.**—Can be used for feed, mash or water. Barred top prevents waste. Made of galvanized iron. By express, 8 in. long, 35c postpaid; 18 in. long, 50c postpaid; 24 in. long, 75c postpaid.

**GRIT AND SHELL BOX.**—Has three compartments for grit, shell and charcoal. Galvanized iron. Can be used as feed hopper for small chicks. ½ pk. \$1.00. Weight 4 lbs.

**STAR FOUNTAIN.**—By express 10c each; \$1.10 per doz. By mail 15c each; \$1.40 per doz.



KEY RING LEG BANDS



**PILLING LANSDOWNE POULTRY MARKER.**—A handy poultry marker. Look at the illustration and see how easy it is to use. Large or small size sent for 30c.



LEADER LEG BAND

**LEADER LEG BAND NO. 2.**—An adjustable band which can be used for any size fowl from a bantam to a turkey. Made of aluminum, light and smooth. Postpaid, 25 for 50c; \$1.00 per 100; \$4.50 for 500.

**COLORLED LEADER LEG BANDS.**—Made of aluminum with celluloid numbers in red, green, blue, yellow, pink and white. Numbered from 1 to 200 only. 25 for 70c; \$1.50 per 100 postpaid.

**PHILADELPHIA POULTRY MARKER.**—A convenient little spring punch for marking chickens. Marks small hole in web of the foot. 30 cents each postpaid.

**KEY RING LEG BANDS.**—Made of celluloid in six sizes and six colors. Spread easily to put on leg of fowl. Have no sharp edges. Sizes: Asiatic, American, Mediterranean, Bantam, Pigeon and Baby Chick. Specify in your order number of each color and size wanted. Prices: 3 largest sizes per dozen 25c; 100 75c; 1,000 for \$6.50 postpaid; 3 small sizes, doz. 25c; 100 65c; 1,000 for \$5.50 postpaid.

## POULTRY FEEDS

See Red Ink List for quantity price.

**ALFALFA CLOVER MEAL.**—Valuable as a winter food. Price, 10 lbs. 50c; 25 lbs. \$1.00.

**GROUND MEAT SCRAPS.**—Fresh beef thoroughly cooked and dried. Excellent food for young chicks or laying hens. 10 lbs. \$1.00; 25 lbs. \$2.00.

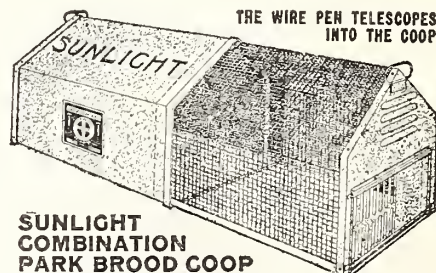
**CRUSHED RAW BONE.**—Best quality, made from fresh bones. 10 lbs. 75c; 25 lbs. \$1.75.

**RAW BONE MEAL.**—Ground fine for feeding small chickens. Price, 10 lbs. 75c; 25 lbs. \$1.75.

**CRUSHED OYSTER SHELL.**—A most important article for the poultry yard and should be supplied liberally. 25 lbs. 50c; 100 lbs. \$1.50.

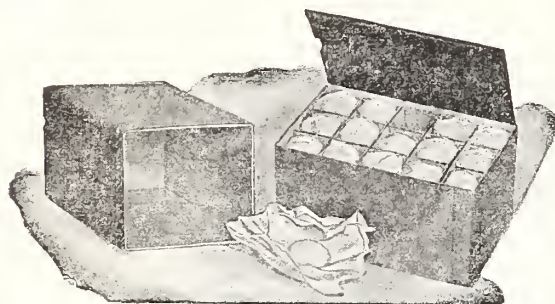
**CRUSCO POULTRY GRIT.**—Both fine and coarse sizes for fowls and chicks. Per 100 lbs. \$1.50.

**CHARCOAL.**—Granulated to just the right sizes for either poultry or chicks. The larger size is suitable for feeding hogs. Two sizes, 5 lbs. 45c; 10 lbs. 75c; 25 lbs. \$1.75; 50 lb. bag \$3.00.



SUNLIGHT  
COMBINATION  
PARK BROOD COOP

**SUNLIGHT BROOD COOP.**—An all-metal coop as shown in illustration. Size of coop, 18 in. wide, 24 in. long, 19½ in. high, while the wire park is practically the same size. The pen telescopes into the coop portion if desired, and has handles by which it is moved. Each \$4.00; 6 for \$22.00.



**CORRUGATED EGG CASE.**—15 egg size \$2.40 per dozen, weight 15 lbs.; 30 egg size \$4.00 per dozen, weight 25 lbs.; 50 egg size \$5.00 per dozen; weight 38 lbs.; 100 egg size \$7.00 per dozen, not available.

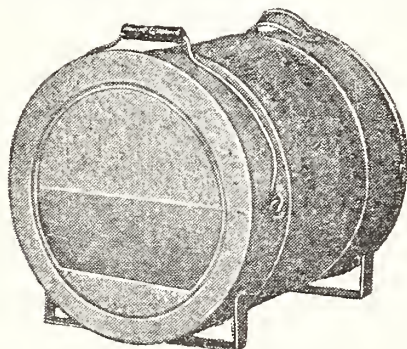
**LIVE CHICK BOX.**—Made from corrugated paper with ventilating holes in top and sides. 25 chick size \$1.60 per dozen, weight 20 lbs.; 50 chick size \$2.25 per dozen, weight 25 lbs.; 100 chick size \$2.80 per dozen, weight 40 lbs.

**TRAP NEST FRONTS.**—Made of galvanized iron, 9x9 double shutter trap door. Easily fastened on nest boxes. 75c each postpaid. \$6.50 per dozen postpaid. By express, dozen \$5.50.

**GLASS NEST EGGS.**—By mail in regular ship-safe egg case, which may be used to ship eggs for hatching, 12 for 75c; 50 for \$2.00, not postpaid.

**LIME NEST EGGS.**—Preferred to glass eggs by most poultrymen. Dozen 50c in case, not prepaid.

**INSULATED POULTRY WATERER.**—Made after the principle of the thermos bottle to keep water warm in winter, cool in summer. Is our selection of many styles offered. We can recommend it from actual winter tests. Best galvanized iron. Very satisfactory. 3 gal. size \$4.00; 5 gal. size \$5.00. Weight 15 lbs.



INSULATED WATERER





# Altoona Farm Collection

One packet each of the nine Altoona grown vegetables for 60c postpaid.

During the season there are always crops on our seed farm that attract the attention of visitors to the farm. The Altoona collection is made up of varieties grown this year. A fine crop of seed was harvested. We want you to share in this bountiful crop of Choice Iowa Seeds.

This collection is adapted to the farm or suburban garden and consists of one packet each of the nine vegetables listed, for 60 cents, postpaid.

Or for large plantings the following quantities for \$2.00, postpaid:

1 oz. Early Dawn Tomato.....	.35
1 oz. Orange Watermelon.....	.30
1 oz. Banana Squash.....	.15
1 lb. Sunrise Sweet Corn.....	.30
1 oz. Dipper Gourd.....	.25
¼ lb. Hubbard Squash.....	.50
1 lb. Country Gentleman Corn.....	.30
1 oz. Golden Sweet Melon.....	.25
1 oz. Grand Rapids Melon.....	.20

\$2.60

All, postpaid, for.....\$2.00

## DESCRIPTION OF VARIETIES

**EARLY DAWN TOMATOES.**—A new variety of English origin. Very early. Very solid. Produces a good crop of excellent quality. Per pkt. 10c; oz. 35c, postpaid.

**ORANGE WATERMELON.**—A round, solid meated, red fleshed melon. Rind may be removed like an orange peel, hence its name. It never fails to attract attention. Flavor is excellent; not overly sweet, but never a poor melon in the patch. Peel and serve in quarters. Surprise your friends. Pkt. 15c; oz. 30c, postpaid.

**BANANA SQUASH.**—Not a new thing but an unusual squash both

in shape and quality. For fall or early winter it has no equal. Pkt. 5c; oz. 15c, postpaid.

**SUNRISE SWEET CORN.**—An early variety of white corn about which too much cannot be said. Always the first to be used on the farm and no other is wanted as long as Sunrise is in eating condition. Pkt. 10c; ¼ lb. 15c; 1 lb. 30c, postpaid.

**DIPPER GOURD.**—Very easy to make "bottles" or "dippers" from these. Cut a small doorway and hang under the eaves for a wren house. The vine is ornamental and luxuriant. Pkt. 5c; oz. 25c, postpaid.

**HUBBARD SQUASH.**—The old standby for winter keeping. Our Altoona grown stock is especially uniform and fine in flavor. Pkt. 5c; oz. 15c; ¼ lb. 50c.

**COUNTRY GENTLEMAN SWEET CORN.**—The strain grown at Altoona is just a little earlier and more prolific than the regular stock. The ear is just right for serving and the very sweetest and finest of quality. Pkt. 10c; ¼ lb. 15c; 1 lb. 30c.

**GRAND RAPIDS MUSKMELON.**—A large, early melon. Fine for the home garden. Light green in color, turning yellow when ripe. Orange colored flesh. Plant early and they will be ripe at harvest time. Pkt. 5c; oz. 20c, postpaid.

**GOLDEN SWEET WATERMELON.**—It is not the unusual golden color of the flesh that makes this melon popular. A blind man could pick out Golden Sweet by its flavor and uniform sweetness. Pkt. 10c; oz. 25c, postpaid.

## INDEX TO CATALOG

Vegetable Seed .....	Pages 1 to 12
Farm Seed .....	Pages 13 to 18
Seed Corn .....	Pages 13 to 15
Lawn Grass .....	Page 17
Potatoes .....	Page 18
Flower Seed .....	Pages 19 to 24
Bulbs .....	Pages 25 to 27
Peonies .....	Page 27
Hardy Plants .....	Page 28
Sprayers and Insecticides .....	Page 29
Tools and Implements .....	Page 30
Poultry Supplies .....	Pages 31 and 32

# THE IOWA SEED COMPANY

## Seedsman

East Fourth and Locust Sts.

DES MOINES, IOWA





# ALTOONA FARM

## VEGETABLE COLLECTION

SEE REVERSE SIDE  
OF THIS COVER

